

# CAD Master Controller

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## Things You Can Do!

## Operation Guide <Functions Edition>

Using your Copier as a **Printer**  
(Windows 95/98/Me/NT 4.0/2000)

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Using your Copier as a **Scanner**  
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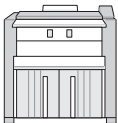
Printing from **AutoCAD**  
(Other Printing Methods)

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# Things You Can Do!

## Printing

You can use your machine as a highly functional printer for high quality (600 dpi) printing onto large size paper.

### ● Printing from Windows



Printing is possible under Windows 95/98, Me, NT 4.0 and 2000. The printer driver for each of these systems is included on the accessory CD-ROM, so you can print from that environment by simply installing the appropriate driver.



See **"Using your Copier as a Printer (Windows 95/98/Me/NT 4.0/2000)"**

### ● Printing from a Mac



Printing is possible under any Macintosh operating system between 8.6 and 9.1. The appropriate PPD file is included on the accessory CD-ROM, so you can print from a Mac by simply installing that file.



See **"Using your Copier as a Printer (Macintosh)"**

### ● Printing from AutoCAD



Printing is possible using AutoCAD Release 14, 2000i and 2000. The printer driver for each of these versions is included on the accessory CD-ROM, so you can print from that environment by simply installing the appropriate driver.



See **"Printing from AutoCAD"**

### <More printing that you can do>

### ● Print without opening the creator application



Printing is possible by using the included Print Utility to select files of a compatible format, such as HP-GL/2, without the need to open it in the application that created it.



See **"Using the Print Utility"**

### ● Reprint a finished print job



The copier-printer contains a spooling function which allows you to reprint a job that has already been completed. You can also cancel print jobs as well as change the number of prints to be made for any job.



See **"Using Web Manager"**

## Scanning

You can use your machine as a network scanner for scanning large size documents.

- **Scanning from the copier-scanner's operation panel**



Scanning is possible by using the included Scanner File Utility to have scanned image data automatically sent from the copier-scanner to a computer. In this way there's no need for you to run back and forth between your computer and the copier-scanner each time you want to scan an image. It is also possible to select the destination computer directly from the operation panel of the copier-scanner.



**See "Using the Scanner File Utility"**

- **Scanning from a TWAIN-compatible application**



Scanning is possible using a TWAIN-compatible application by simply installing the included TWAIN Source.



**See "Using the TWAIN Source"**

<More scanning that you can do>

- **Scanning from an Internet Web browser**



Scanning (WebScan) is possible using an Internet Web browser. The scanned image data will be converted to JPEG or TIFF format and saved on the copier-scanner's hard disk. You can then download the corresponding data as desired, also using your Internet Web browser.



**See "Using Web Manager"**

## Settings

You can use an Internet Web browser to make printing- and scanning-related settings in your machine.



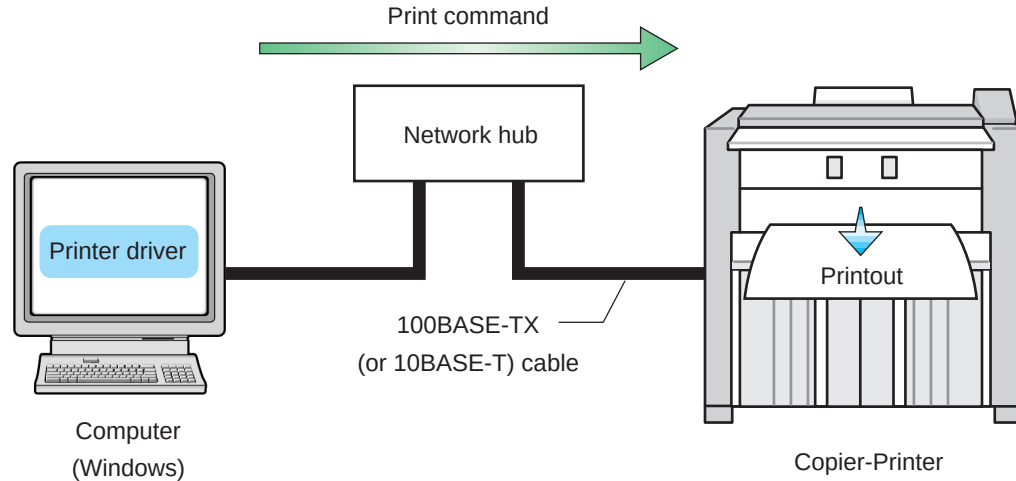
**See "Using Web Manager"**



# ***Part 1***    **Using your Copier as a Printer (Windows 95/98/Me/NT 4.0/2000)**

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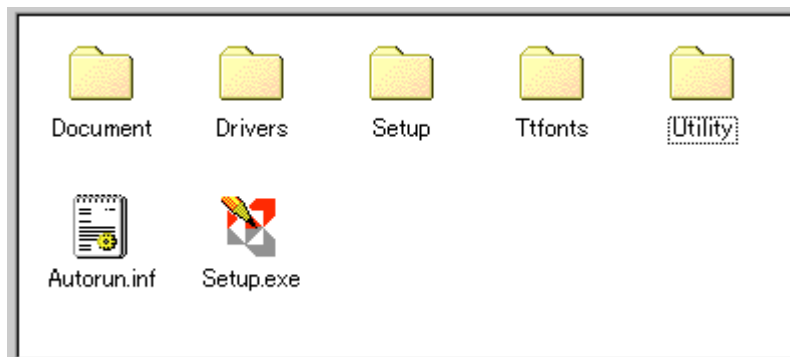
The following shows the system configuration when using the copier as a printer for a computer running under a Windows environment.



Be sure to enter a user name other than "Administrator" when logging in to the corresponding computer.

## 2-1 Using the CD-ROM

Once you insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer, the Main Menu screen should appear automatically. (Depending, however, on the related settings in your computer, you may have to access the Main Menu screen manually. In this case, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.)



## 2-2 Main Menu Screen for the Digital Library CD-ROM

The Main Menu screen for the Digital Library will appear automatically once you insert the accessory CD-ROM into the CD-ROM drive.

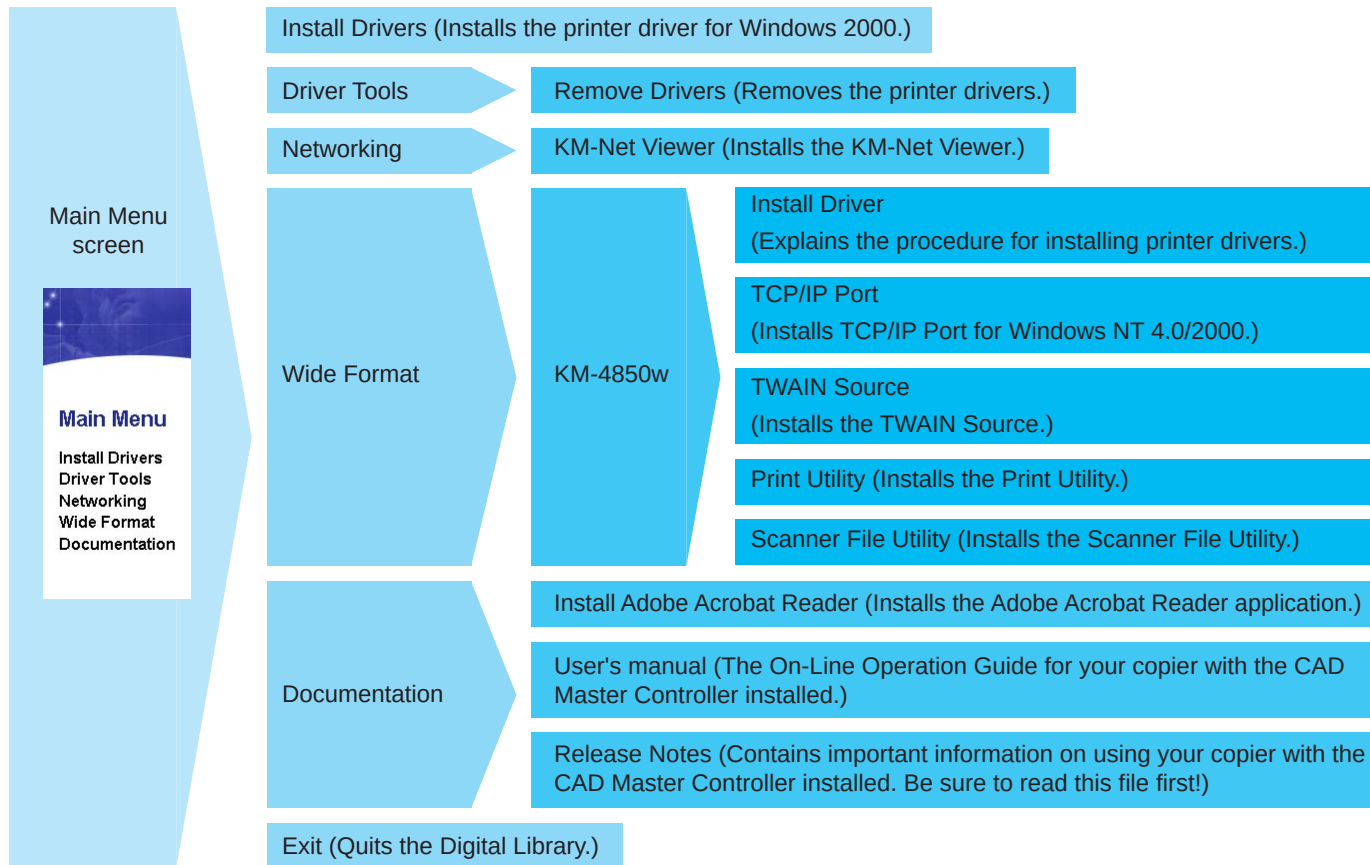


## 2-3 Configuration of the Digital Library CD-ROM

Various printer drivers and utilities are included on the Digital Library CD-ROM. Refer to the following flow chart in order to find where each file is located on the CD-ROM.

(Menus that are not applicable to your copier-printer [the CAD Master Controller] will not be displayed.)

## Digital Library CD-ROM



# Section 3 Installing/Removing Printer Drivers Page 1-6

## 3-1 Installing the Printer Driver (Windows 95/98/Me)

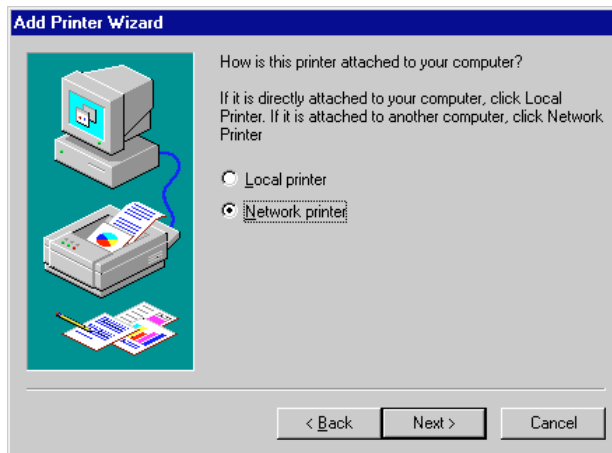
### ● Operating Environment

|                         |                      |                                 |            |                 |
|-------------------------|----------------------|---------------------------------|------------|-----------------|
|                         |                      | IBM PC-AT or compatible         |            |                 |
| OS                      |                      | Windows 95 (OSR2)               | Windows 98 | Windows Me      |
| Required environment    | CPU                  | 66 MHz i486DX2                  |            | 150 MHz Pentium |
|                         | RAM                  | 8 MB                            | 16 MB      | 32 MB           |
|                         | Free hard disk space | 10 MB                           |            |                 |
| Recommended environment | CPU                  | 200 MHz Pentium or faster       |            |                 |
|                         | RAM                  | 64 MB or more                   |            |                 |
|                         | Free hard disk space | 10 MB                           |            |                 |
| CD-ROM drive            |                      | One drive                       |            |                 |
| Printer Port            |                      | One 100BASE-TX or 10BASE-T port |            |                 |

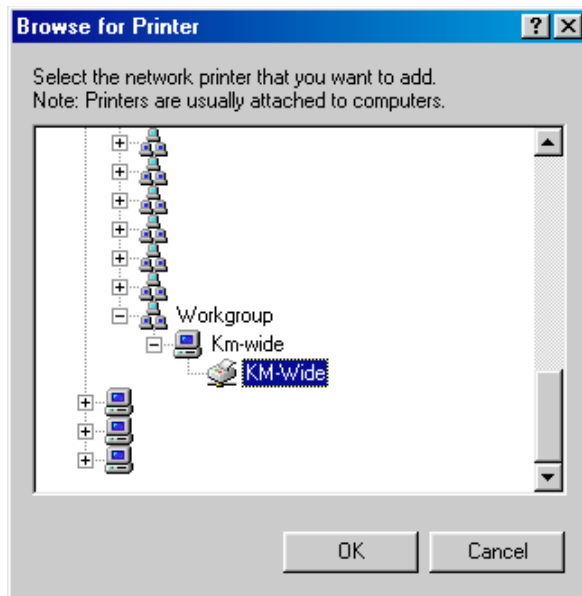
\* Due to operating system restrictions when printing out using a Windows 95/98/Me printer driver, the maximum length that the printout can be is 1300 mm regardless of whether or not you have increased the copier's memory capacity.

## ● Installation Procedure

- 1 Run Windows 95/98/Me. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer, and click on [Exit] in the Digital Library Main Menu screen in order to quit Digital Library.
- 3 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.
- 4 Double-click on the [Add printer] icon.  
The Add Printer Wizard will open. Click on [Next].
- 5 Select [Network printer] and then click on [Next].

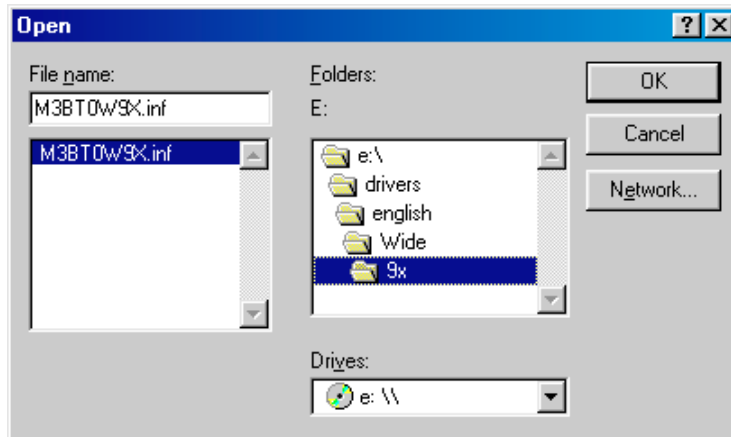


- 6 Click on [Browse] and select the copier-printer within the network tree.
- \* If you are using the KM-4850w copier, it will be listed under [wideformat] > [km4850w <or the registered name of your copier-printer>] > [km4850w].



- 7 Click on [OK] and then on [Next] in the following window.
- 8 It is necessary to select the printer driver that you want to install. Thus, if the accessory CD-ROM is not in the CD-ROM drive, insert it now and click on [Have Disk...].

- 9 Click on [Browse] and then select the printer driver that you want to install from the CD-ROM.
  - \* The printer drivers for Windows 95/98/Me can be found under:  
E:\Drivers\English\Wide\9X\M3BT0W9X.inf  
("E" = Your CD-ROM drive)



- 10 Click on [OK] and then continue the installation procedure by following each of the steps described on-screen.

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**NOTE**

The Windows Installer CD-ROM will be required during installation of the printer drivers. When the message asking for that CD-ROM appears on-screen, insert the appropriate CD-ROM disk in to the CD-ROM drive.

---

## 3-2 Installing the Printer Driver (Windows NT 4.0)

### ● Operating Environment

|                         |                      |                                                         |
|-------------------------|----------------------|---------------------------------------------------------|
|                         |                      | IBM PC-AT or compatible                                 |
| OS                      |                      | Windows NT 4.0 (with Service Pack 5 or later installed) |
| Required environment    | CPU                  | 66 MHz i486DX2                                          |
|                         | RAM                  | 16 MB                                                   |
|                         | Free hard disk space | 10 MB                                                   |
| Recommended environment | CPU                  | 200 MHz Pentium or faster                               |
|                         | RAM                  | 128 MB or more                                          |
|                         | Free hard disk space | 10 MB                                                   |
| CD-ROM drive            |                      | One drive                                               |
| Printer Port            |                      | One 100BASE-TX or 10BASE-T port                         |

## ● Installation Procedures

### NOTE

Be sure to perform BOTH installation procedures "(1) Installing TCP/IP Port" and "(2) Installing the Printer Driver".

### (1) Installing TCP/IP Port

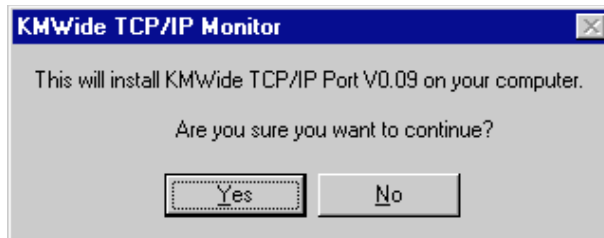
- 1 Run Windows NT 4.0. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Wide Format] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



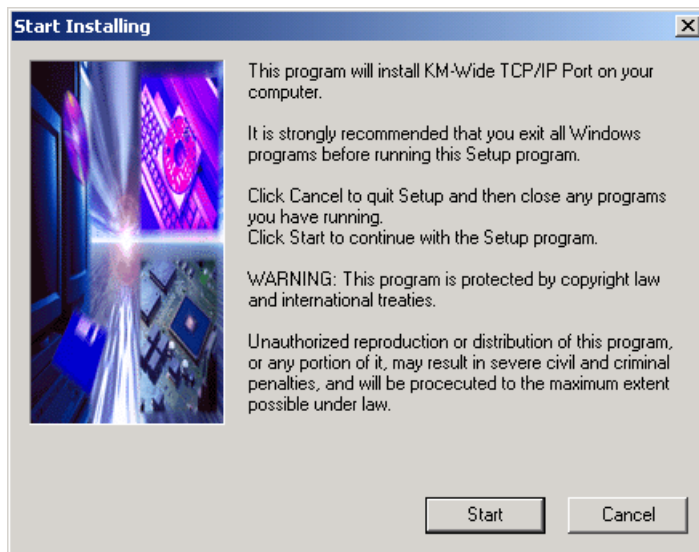
- 4 Click on [KM-4850w] and then on [TCP/IP Port] in the following window. The Installation wizard will open.



- 5 Click on [Yes].



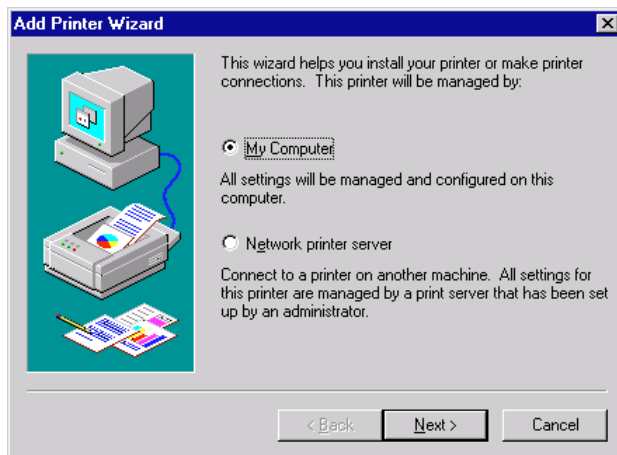
- 6 Click on [Start] and then continue the installation procedure by following each of the steps described on-screen.



- 7 Once installation of TCP/IP Port is complete, perform the following procedure to install the printer driver.

## (2) Installing the Printer Driver

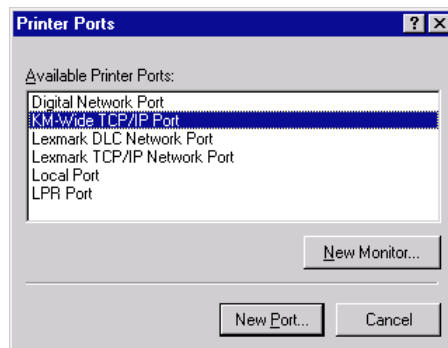
- 1 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.
- 2 Double-click on the [Add printer] icon.  
The Add Printer Wizard will open. Click on [Next].
- 3 Select [My Computer] and then click on [Next].



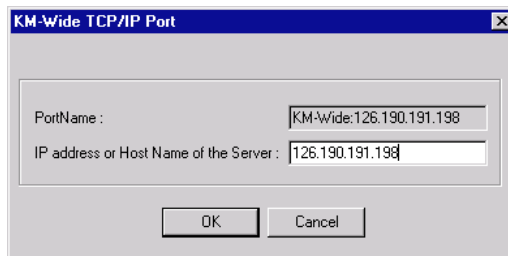
- 4 Click on the [Add Port...] button.



- 5 Select [KM-Wide TCP/IP Port] in the [Available Printer Ports] list and then click on the [New Port...] button.



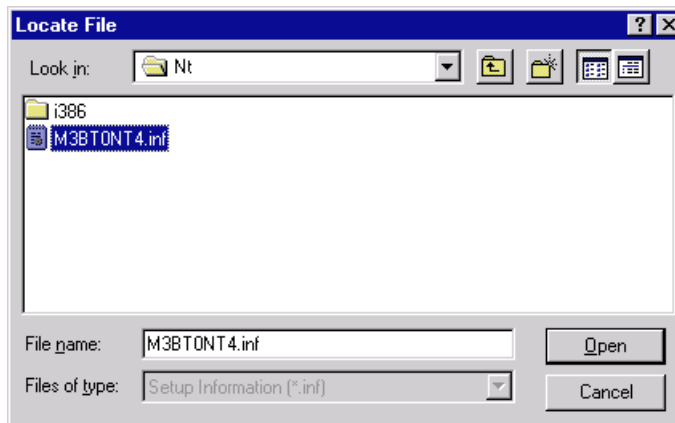
- 6 Type in the IP address or the Host Name of the Server, and click on [OK].
  - \* Be sure the enter the IP address of the copier that has the CAD Master Controller installed.  
Confirm the correct address by referring to the IP address under the default settings in the copier's operation panel, or by checking with your network manager.



- 7 Click on [Close] in the subsequently displayed window.
- 8 Select the newly created port and click on [Next].



- 9 It is necessary to select the printer driver that you want to install. Thus, if the accessory CD-ROM is not in the CD-ROM drive, insert it now and click on [Have Disk...].
- 10 Click on [Browse] and then select the printer driver that you want to install from the CD-ROM.
  - \* The printer drivers for Windows NT 4.0 can be found under:  
D:\Drivers\English\Wide\NT4\M3BT0NT4.inf  
("D" = Your CD-ROM drive)



- 11 Click on [OK] and then continue the installation procedure by following each of the steps described on-screen.

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**NOTE**

When the message asking for [Pscript.dll] appears on-screen, enter "D:\Drivers\English\Wide\NT4\i386" as the corresponding path.  
("D" = Your CD-ROM drive)

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### 3-3 Installing the Printer Driver (Windows 2000)

#### ● Operating Environment

|                         |                      |                                 |
|-------------------------|----------------------|---------------------------------|
|                         |                      | IBM PC-AT or compatible         |
| OS                      |                      | Windows 2000                    |
| Required environment    | CPU                  | 166 MHz Pentium                 |
|                         | RAM                  | 24 MB                           |
|                         | Free hard disk space | 10 MB                           |
| Recommended environment | CPU                  | 300 MHz Pentium II              |
|                         | RAM                  | 128 MB or more                  |
|                         | Free hard disk space | 10 MB                           |
| CD-ROM drive            |                      | One drive                       |
| Printer Port            |                      | One 100BASE-TX or 10BASE-T port |

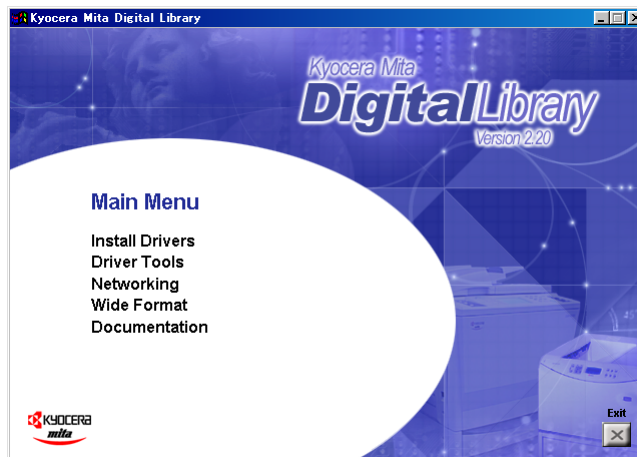
## ● Installation Procedure

### NOTE

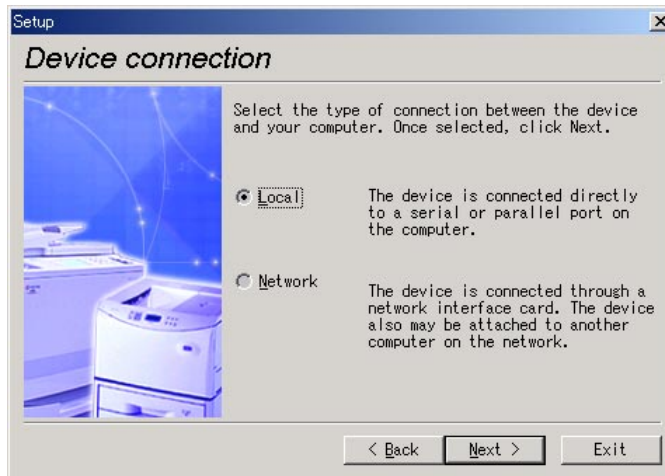
Installation involves three separate procedures: "(1) Installing the Printer Driver", "(2) Installing TCP/IP Port" and "(3) Creating a New Port".

### (1) Installing the Printer Driver

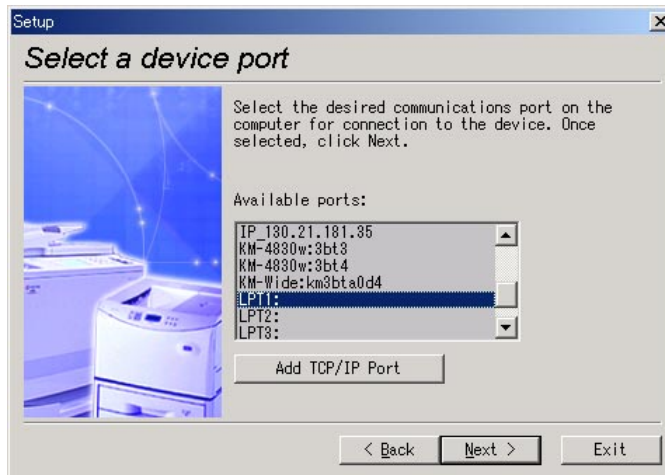
- 1 Run Windows 2000. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Install Drivers] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



- 4 The Setup wizard will open. Click on [Next].
- 5 Select [KM-4850w] and click on [Next].
- 6 Select [Local] and click on [Next].



- 7 Select the desired port. Since you will have to create a new port under "(3) Creating a New Port" later on, select a temporary port here. The following procedure is explained as though "LPT1" has been selected.



- 8 Click on [Next] and then continue the installation procedure by following each of the steps described on-screen.

## (2) Installing TCP/IP Port

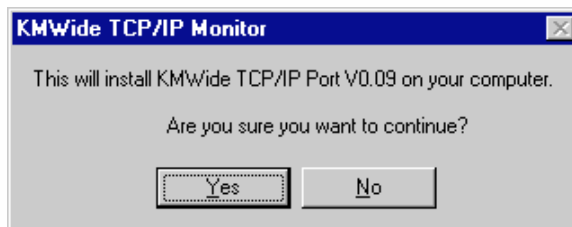
- 1 Run Windows 2000. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Wide Format] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



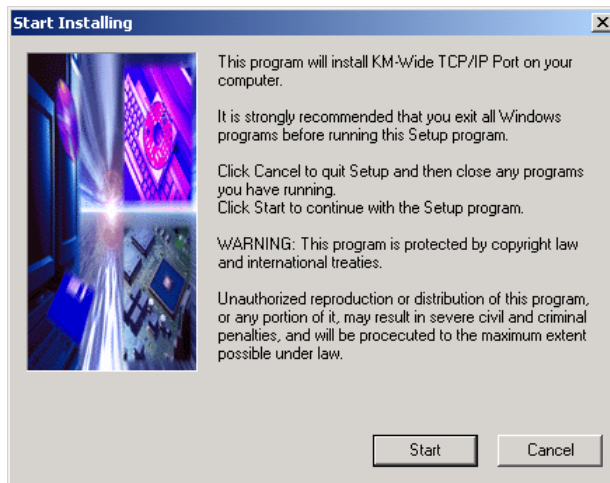
- 4 Click on [KM-4850w] and then on [TCP/IP Port] in the following window. The Setup wizard will open.



- 5 Click on [Yes].



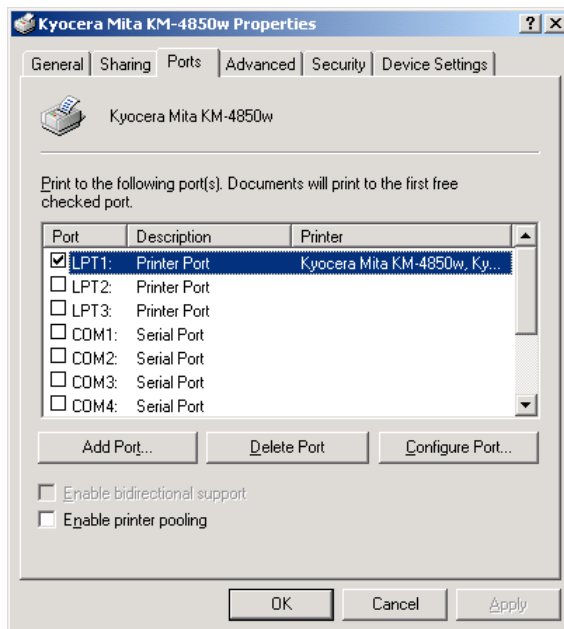
- 6 Click on [Start] and then continue the installation procedure by following each of the steps described on-screen.



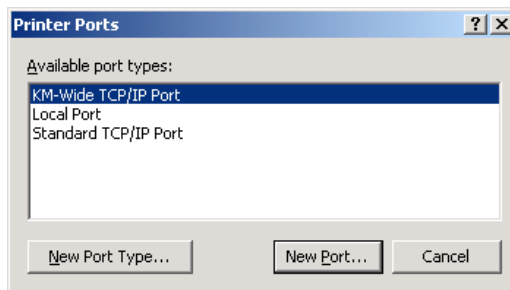
- 7 Once installation of TCP/IP Port is complete, continue to the next step and perform the following procedure in order to change the port for the printer driver that you just installed.

### (3) Creating a New Port

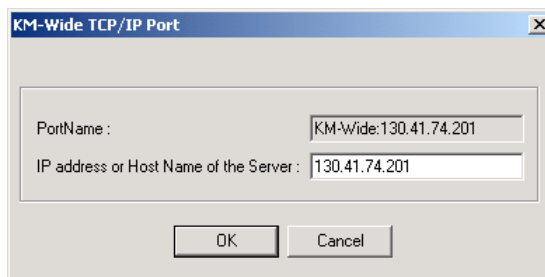
- 1 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.
- 2 Use the right mouse button to click on the icon for this copier-printer. Select [Properties] from the resulting pop-up menu. The [Properties] dialog box will open.
- 3 Click on the [Ports] Tab and then click on the [Add Port...] button in that tab.



- 4 Select [KM-Wide TCP/IP Port] in the [Available port types] list and then click on the [New Port...] button.



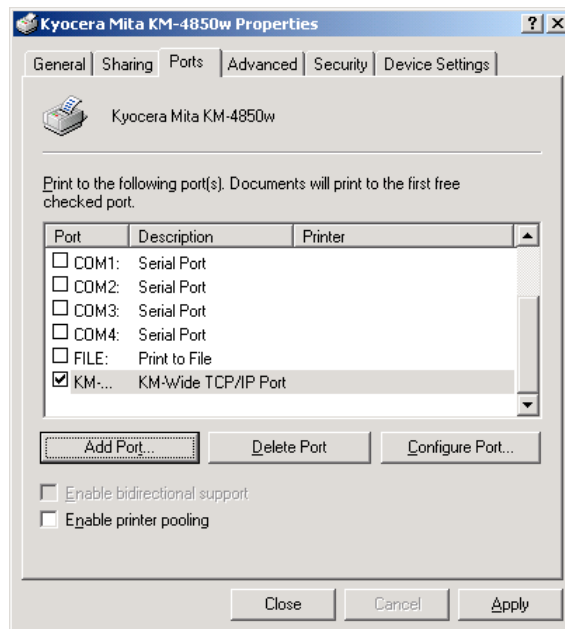
- 5 Type in the IP address or the Host Name of the Server, and click on [OK].
  - \* Be sure the enter the IP address of the copier that has the CAD Master Controller installed. Confirm the correct address by referring to the IP address under the default settings in the copier's operation panel, or by checking with your network manager.



- 6 Click on [Close] in the subsequently displayed window.

- 7 Make sure that the newly created port is selected and click on the [Apply] button. Then click on the [Close] button in the subsequently displayed window.

The printer driver installation procedure is now complete.



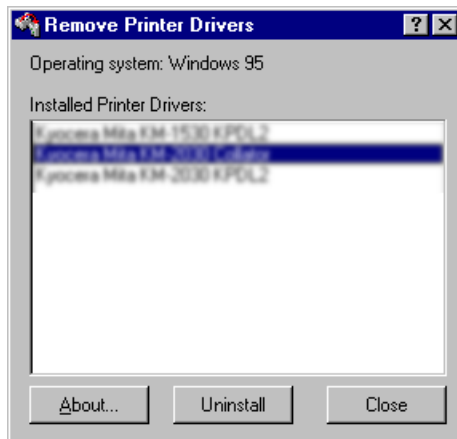
## 3-4 Removing the Printer Driver (Windows 95/98/Me/NT 4.0/2000)

The following procedure explains how to uninstall the printer drivers. The uninstall program can be found on the CD-ROM that is included with this product.

- 1 Start Windows.
- 2 Insert the printer driver installer CD-ROM into the CD-ROM drive on your computer.  
The window shown below will appear.



- Click on [Driver Tools] and then on [Remove Drivers] in the subsequent menu. The [Remove Printer Drivers] dialog box will open.  
Select the printer driver that you want to delete and then click on the [Uninstall] button.



- A message to verify whether or not you really want to delete that driver will appear. If you DO want to delete the selected printer driver, click on [Yes]. The selected printer driver will be deleted.

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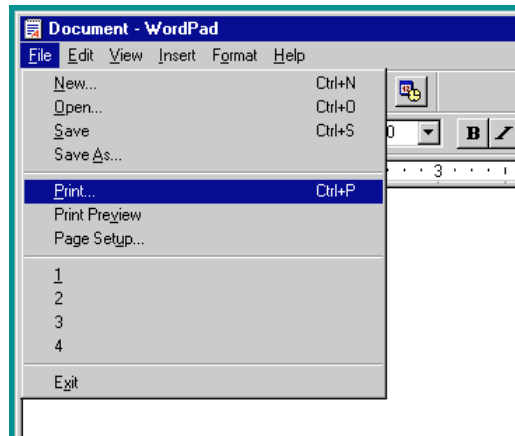
**NOTE**

If you are running Windows 95/98 or NT 4.0, your computer will be rebooted after the printer driver is removed.

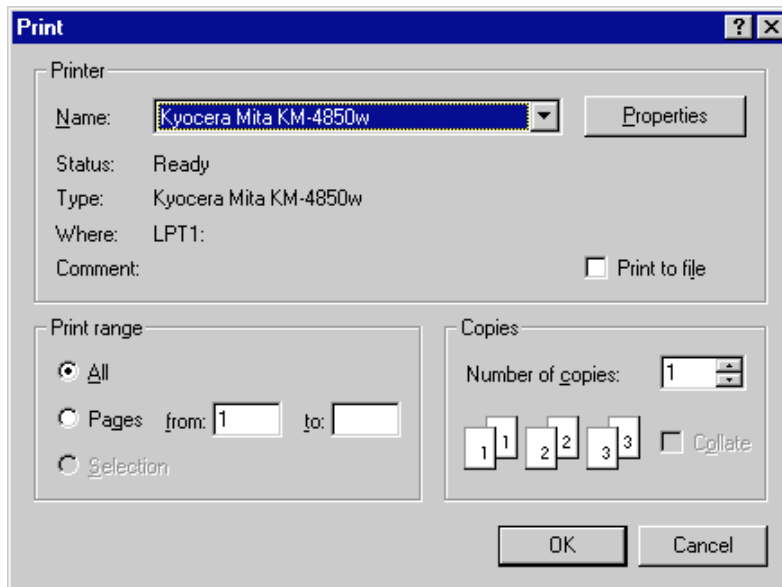
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The following basic printing procedure is explained as though you are using the WordPad application under a Windows 95 environment. Since the actual printing procedure will differ depending upon your operating system and the application you use, refer to the Instruction Manual for the system and application in use, or to the corresponding Help.

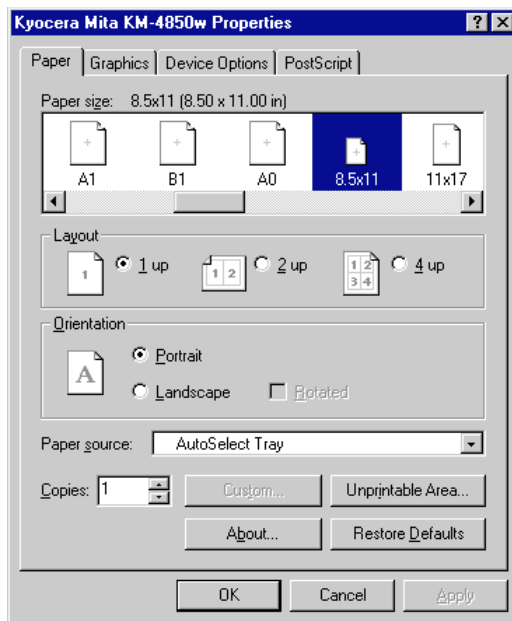
- 1 Open the file that you want to print in WordPad.
- 2 Select [Print] under the [File] menu. The [Print] dialog box will open.



- 3 Make sure that the name of the copier-printer that is displayed in the [Name] field is correct, and click on [Properties]. The [Properties] dialog box will open.



- 4 Perform the desired settings under the [Properties] dialog box.



- 5 Click on [OK]. The [Print] dialog box will open.
- 6 Set the number of prints and which pages to print, etc., in the [Print] dialog box and then click on [OK]. Printing will begin.

## 5-1 Operation under Windows 95/98/Me

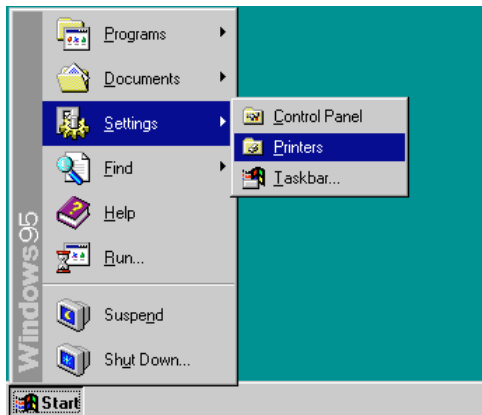
The following explains operation procedures as though you are using a Windows 95 environment.  
If you are using Windows 98 or Windows Me, use this procedure simply as reference.

### Opening the [Properties] dialog box

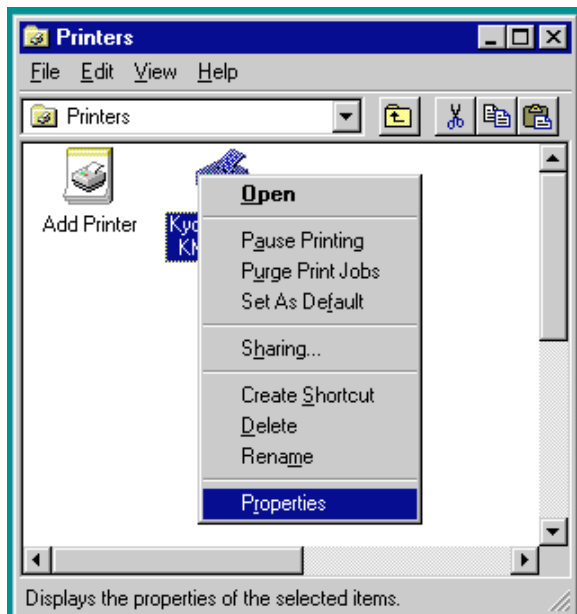
There are two methods of opening the [Properties] dialog box: from the [Printers] folder or from within the application in use.

Perform the following procedure in order to open the [Properties] dialog box from the [Printers] folder.

- \* To open the [Properties] dialog box from within the application in use, refer to "Section 4 Basic Printing Procedure" on page 1-30.)
- 1 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.



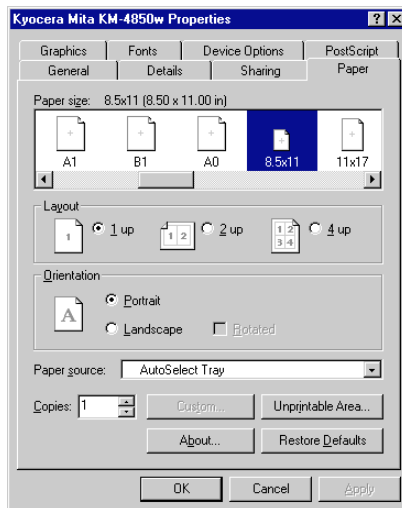
- 2 Use the right mouse button to click on the icon for this copier-printer and click on [Properties] in the menu that is displayed. The [Properties] dialog box will open.



## Settings in [Properties] Dialog Box

The settings that can be made in the [Properties] dialog box are separated by content and located under different tabs. The following explanations are for settings under the [Paper] Tab, the [Graphics] Tab and the [Device Options] Tab which relate to printer-specific settings.

### [Paper] Tab



[Paper size] field: Displays the available paper sizes. Select from between A4, B4, A3, B3, A2, B2, A1, B1, A0, 8.5" x 11", 11" x 17", 17" x 22", 22" x 34", 34" x 44", 9" x 12", 12" x 18", 18" x 24", 36" x 48" and Custom page.

\* If you select [Custom page] you will be able to register a custom paper size.

[Layout] radio buttons: Displays the available N-up (number of pages printed on a single sheet) settings. Select from between 1, 2 and 4 pages.

[Orientation] radio buttons: Displays the available printing orientation. Select either "Portrait" or "Landscape".

[Paper source] field: Displays the presently selected location from which paper will be fed. Selection is possible between "Auto Select Tray", "Auto Source Selection", "Cassette 1", "Cassette 2", "Cassette 3" and "Bypass Tray".

- \* "Cassette 1" will only be available when [Option Cassette 1] is set to "Installed" under the [Device Options] Tab.

---

**NOTE**

- If you select "Auto Select Tray", paper will be fed from the location designated in the [Cassette] field of the [Option] screen under the [Device] Icon in Web Manager.
  - If you select "Auto Source Selection", paper will be fed from a location that contains paper of a size appropriate to the documents being printed.
- 

[Copies] field: Displays the selected number of copies to be made. Selection is possible to any number between 1 and 999.

[Custom] button: Click on this button if you select [Custom page] in the [Paper size] field. The [Custom-Defined Size] dialog box will open and you can then set the desired paper size.

[Unprintable Area...] button: Click on this button to access the [Unprintable Area] dialog box in which you can set margin (white space) dimensions for the "Left", "Right", "Top" and "Bottom" of the prints as well as selecting the unit of measure, either "Inches" or "Millimeters", under [Units].

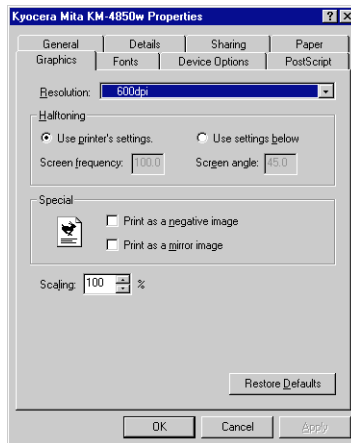
---

**NOTE**

The [Unprintable Area] dialog box is used to set the area of the paper that you do NOT want to have printed on. The paper size will not change, only the area that will be printed on.

---

## [Graphics] Tab



[Resolution] field: This setting can not be changed from "600 dpi".

[Halftoning] settings: If you want to make special settings, select the [Use settings below] radio button and enter the desired values under the [Screen frequency] and [Screen angle] fields.

[Print as a negative image] checkbox: Put a check mark in this checkbox when you want to make a negative print (such as with negative film where blacks and whites are inverted.)

---

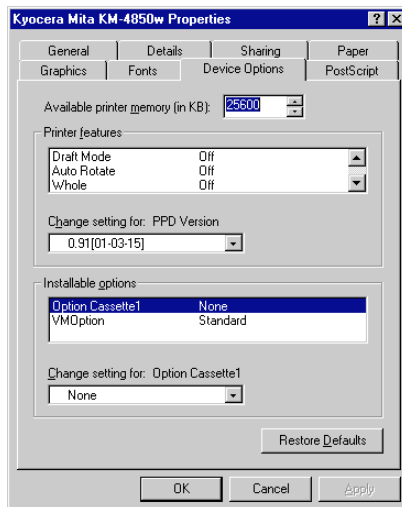
**NOTE**

Normally, the area of a printed page that remains white is greater than that which is actually printed on. Thus, you should understand that when you select [Print as a negative image] for any document other than an actual negative graphic, the areas that are normally white will be printed as black and toner usage will be increased.

---

[Print as a mirror image] checkbox: Put a check mark in this checkbox when you want to make a mirror print where left and right are inverted.

[Scaling] field: Displays the selected magnification ratio. Selection is possible to any 1% increment between 25% and 400%.

**[Device Options] Tab**

[Auto Rotate] setting: Turn this setting "ON" when you want to have the printed image automatically rotated, as necessary, to fit onto the orientation of the presently set paper.

**NOTES**

- If you want to use the [Linear Measure Adjustment] settings, turn [Auto Rotate] "OFF". [Linear Measure Adjustment] can be set using the Web Manager interface.
- If even spacing of black or white lines appear, turn [Auto Rotate] "ON".

[Draft Mode] setting: Select the [Draft Mode] setting and use the drop-down menu below it to turn it "ON" when you want to print in the draft mode (toner-saving mode).

[Whole] setting: Select the [Whole] setting and use the drop-down menu below it to turn it "ON" when you want to increase the printing area of the paper and add a margin space to the leading and trailing edge of the paper.

---

**NOTE**

If you turn the [Whole] setting "ON", the length of the printed paper will be increased by the total length of the margin spaces selected.

---

[Media] setting: Selection of the desired paper type is possible from among "Plain", "Vellum", "Film", "Custom" and "Printer Default".

---

**NOTES**

- Be sure to turn the [Paper working] setting "ON" in your copier. For more information, refer to the Operation Guide for the copier.
  - If you have designated a location for paper feed in the [Page source] field under the [Paper] Tab, the setting made here will not be used and paper will be fed from the designated location regardless of the paper type loaded in that drawer.
- 

[Option Cassette 1] setting: Select the [Option Cassette 1] setting and use the drop-down menu below it to change the setting to "Installed" when Drawer 1 (the optional roll unit) is installed in the copier-printer.

## 5-2 Operation under Windows NT 4.0/2000

The following explains operation procedures as though you are using a Windows 2000 environment. If you are using Windows NT 4.0, use this procedure simply as reference.

### Opening the [Printing Preferences] ("Document Defaults" in Windows NT 4.0) dialog box

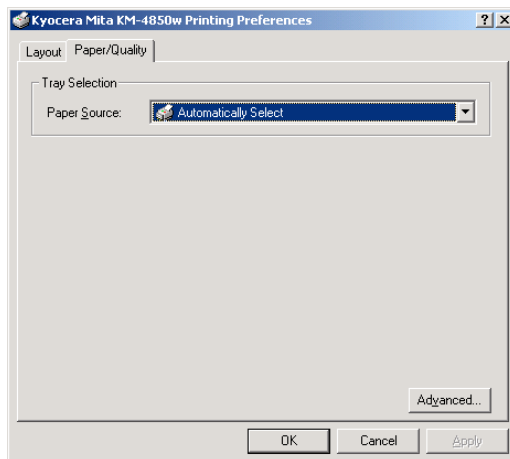
There are two methods of opening the [Printing Preferences] (Document Defaults) dialog box: from the [Printers] folder or from within the application in use.

- \* To open the [Printing Preferences] (Document Defaults) dialog box from within the application in use, refer to "Section 4 Basic Printing Procedure" on page 1-30.
- 1 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.
- 2 Use the right mouse button to click on the icon for this copier-printer and click on [Printing Preferences] (Document Defaults) in the menu that is displayed. The [Printing Preferences] (Document Defaults) dialog box will open.

## Settings in [Printing Preferences] (Document Defaults) dialog box

The following explanations are for settings relate to printer-specific settings. For information on other settings, click to the ? button (Help).

### Paper/Quality ("Page Setup" in Windows NT 4.0) Tab



[Page Source] field: Displays the presently selected location from which paper will be fed. Selection is possible between "Automatically Select", "Auto Source Selection", "Cassette 1", "Cassette 2", "Cassette 3" and "Bypass Tray".

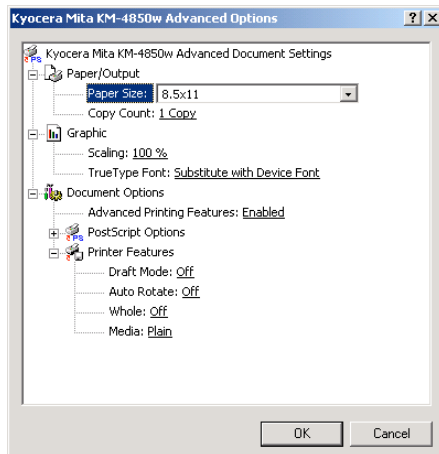
- \* "Cassette 1" will only be available when [Option Cassette 1] is set to "Installed" under the [Device Settings] Tab. (Refer to page 1-45.)

---

## NOTES

- If you select "Auto Select Tray", paper will be fed from the location designated in the [Cassette] field of the [Option] screen under the [Device] Icon in Web Manager.
  - If you select "Auto Source Selection", paper will be fed from a location that contains paper of a size appropriate to the documents being printed.
- 

[Advanced...] button: Click on this button when you want to access the [Advanced Options] dialog box and make more detailed settings.

**[Advanced Options] dialog box**

[Paper size] field: Displays the available paper sizes. Select from between 11" x 17", 12" x 18", 17" x 22", 18" x 24", 22" x 34", 24" x 36", 34" x 44", 36" x 48", 8.5" x 11", 9" x 12", A0, A1, A2, A3, A4, B1, B2, B3, B4 and PostScript Custom Page Size.

\* If you select [PostScript Custom Page Size] you will be able to register a custom paper size.

---

**NOTE**

The [PostScript Custom Page Size] is not available in Windows NT 4.0.

---

[Draft Mode] setting: Turn this setting "ON" when you want to print in the draft mode (toner-saving mode).

[Auto Rotate] setting: Turn this setting "ON" when you want to have the printed image automatically rotated, as necessary, to fit onto the orientation of the presently set paper.

---

## NOTES

- If you want to use the [Linear Measure Adjustment] settings, turn [Auto Rotate] "OFF".  
[Linear Measure Adjustment] can be set using the Web Manager interface.
  - If even spacing of black or white lines appear, turn [Auto Rotate] "ON".
- 

[Whole] setting: Turn this setting "ON" when you want to increase the printing area of the paper and add a margin space to the leading and trailing edge of the paper.

---

## NOTE

If you turn the [Whole] setting "ON", the length of the printed paper will be increased by the total length of the margin spaces selected.

---

[Media] setting: Selection of the desired paper type is possible from among "Plain", "Vellum", "Film", "Custom" and "Printer Default".

---

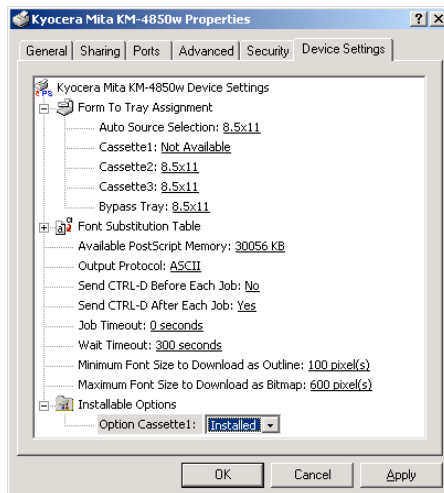
## NOTES

- Be sure to turn the [Paper working] setting "ON" in your copier. For more information, refer to the Operation Guide for the copier.
  - If you have designated a location for paper feed in the [Page Source] field under the [Paper/Quality] Tab ("Page Setup" in Windows NT 4.0), the setting made here will not be used and paper will be fed from the designated location regardless of the paper type loaded in that drawer.
-

## Setting Drawer 1 (option)

It is necessary to perform a Properties setting in order to use Drawer 1 (option). Perform the following procedure in order to make that setting.

- 1 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Printers] in the submenu that is displayed. The [Printers] folder will open.
- 2 Use the right mouse button to click on the icon for this copier-printer and click on [Properties] in the menu that is displayed. The [Properties] dialog box will open.
- 3 Click on the [Device Settings] Tab and set the [Option Cassette 1] setting under [Installable Options] to "Installed".

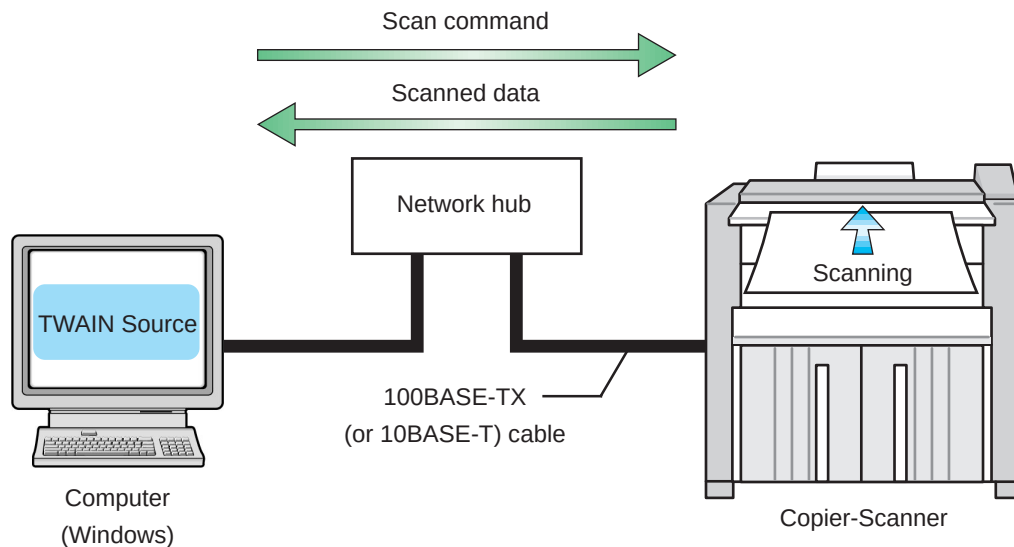


# ***Part 2***    **Using your Copier as a Scanner** **(Windows 95/98/Me/NT 4.0/2000)**

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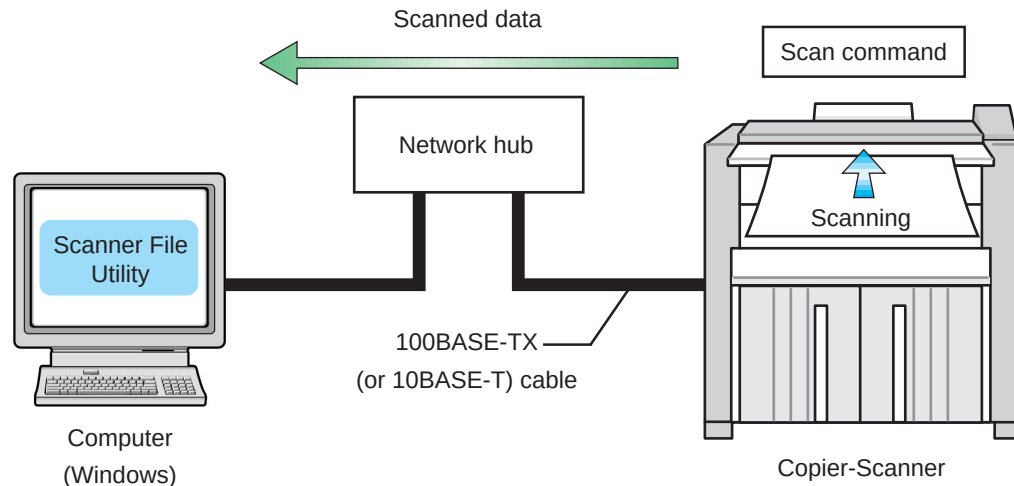
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## 1-1 When Using the TWAIN Source



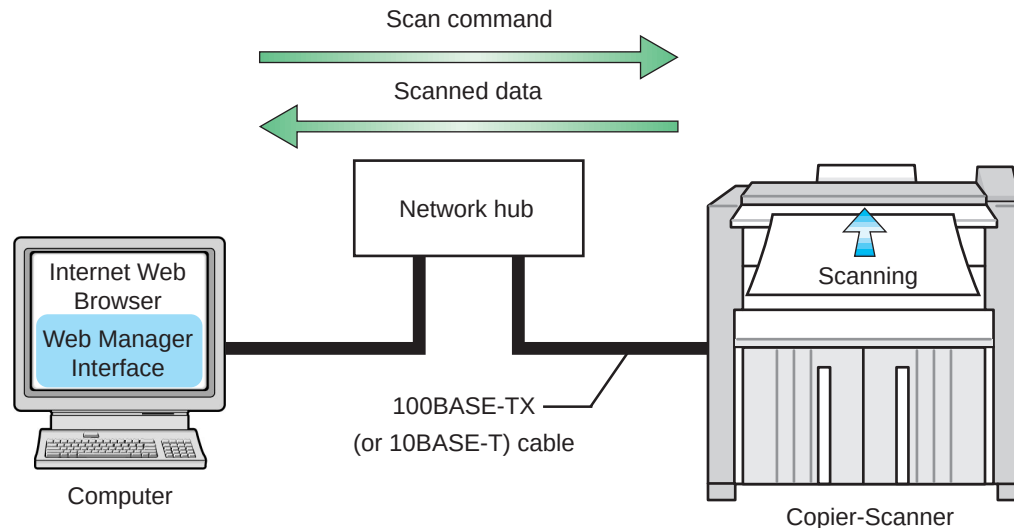
## 1-2 When Using the Scanner File Utility (PCScan)

The following is the system configuration when sending scan data to a computer running under a Windows environment.



### 1-3 When Scanning Using an Internet Web Browser (WebScan)

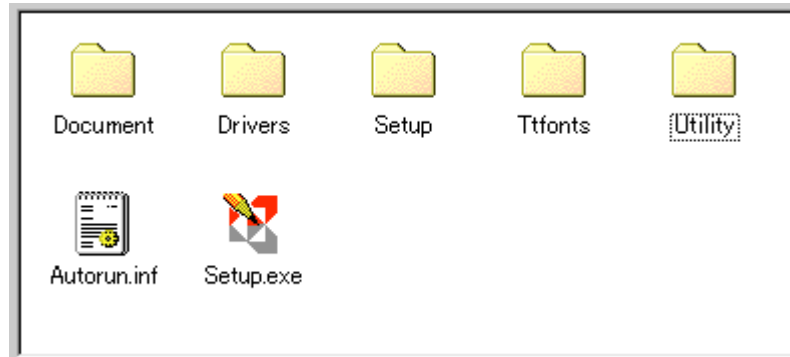
The following is the system configuration when using the Web Manager Interface to scan from an Internet Web browser.



For more detailed information on using the Web Manager Interface, refer to "2-3-7 Scanner Icon" of "Section 2 Web Manager Interface" under "Part 4 Accessory Utilities" on page 4-29.

### 2-1 Using the CD-ROM

Once you insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer, the Main Menu screen should appear automatically. (Depending, however, on the related settings in your computer, you may have to access the Main Menu screen manually. In this case, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.)



## 2-2 Main Menu Screen for the Digital Library CD-ROM

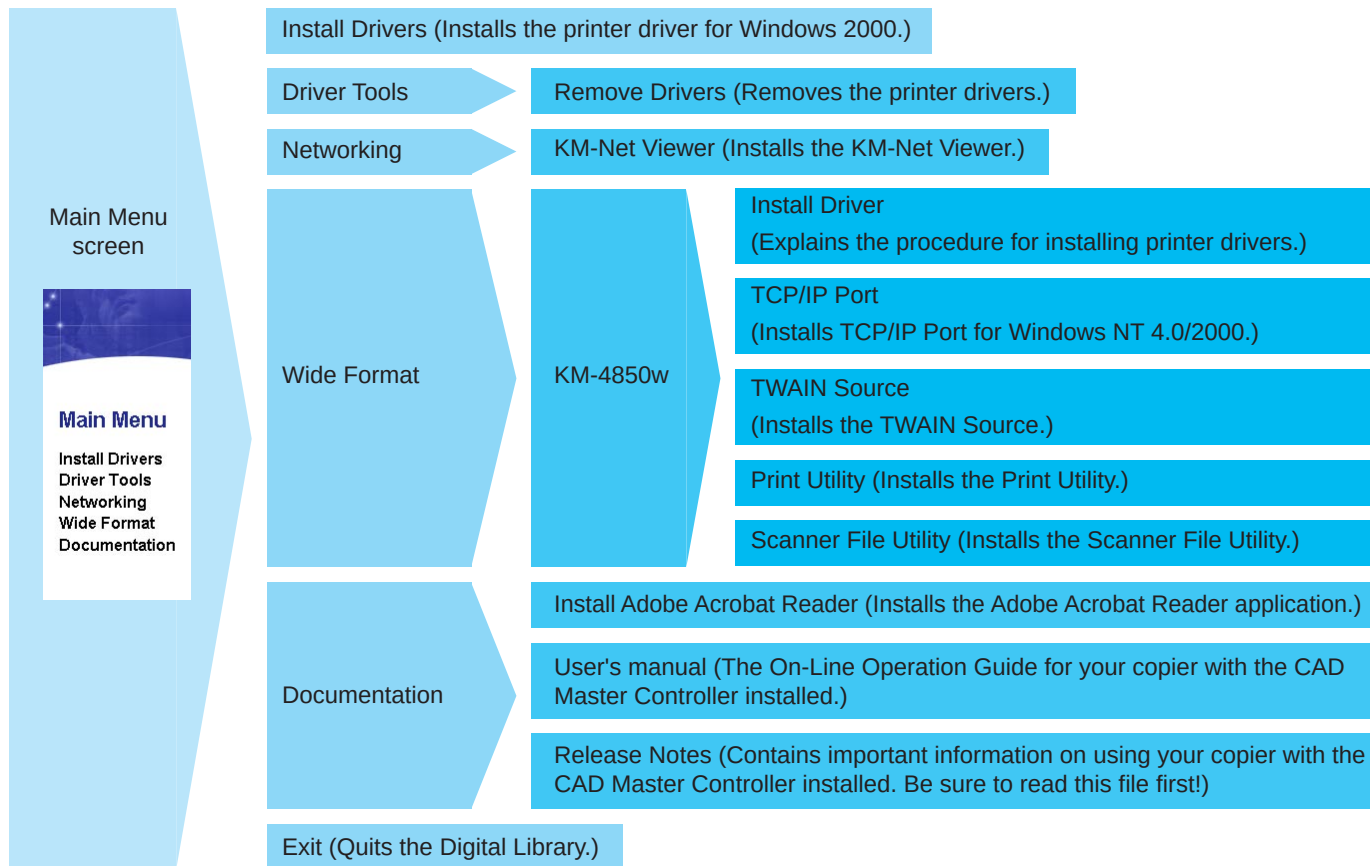
The Main Menu screen for the Digital Library will appear automatically once you insert the accessory CD-ROM into the CD-ROM drive.



## 2-3 Configuration of the Digital Library CD-ROM

Various printer drivers and utilities are included on the Digital Library CD-ROM. Refer to the following flow chart in order to find where each file is located on the CD-ROM.  
(Menus that are not applicable to your copier-scanner [the CAD Master Controller] will not be displayed.)

## Digital Library CD-ROM



## 3-1 Installing the TWAIN Source

### ● Recommended Operating Environment

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
|                      | IBM PC-AT or compatible                                                                           |
| OS                   | Windows 95 (OSR2)/98 (Second Edition)/Me/<br>NT 4.0 (with Service Pack 5 or later installed)/2000 |
| CPU                  | 266 MHz Celeron or faster                                                                         |
| RAM                  | 128 MB or more                                                                                    |
| Free hard disk space | 300 MB                                                                                            |
| CD-ROM drive         | One drive                                                                                         |
| Network Port         | One 100BASE-TX or 10BASE-T port (shared with printer)                                             |

\* In order to use TWAIN Source under Windows 95, Winsock2 must be installed in your computer. Winsock2 can be downloaded from Microsoft's public domain homepage: [www.microsoft.com](http://www.microsoft.com)

### NOTES ABOUT MEMORY

- When you attempt to scan a large sized original at a high resolution and high quality grayscale, a larger amount of memory and hard disk space will be required than listed above. If you run out of sufficient memory under these circumstances, an error will occur in your application. In this case, lower the scanning resolution and grayscale quality and try to scan again.
- A minimum of 74.2 MB of memory will be required when you select "B/W" or "B/W (halftone)" under the [Sample Depth] field and attempt to scan a 34" x 44" original at a resolution of 600 dpi. If you select "Grayscale (STD)" or "Grayscale (HQ)" under that field, even more memory will be required.

## ● Installation Procedure

### NOTE

In order to use TWAIN Source under Windows 95, Winsock2 must be installed in your computer. Winsock2 can be downloaded from Microsoft's public domain homepage: [www.microsoft.com](http://www.microsoft.com)

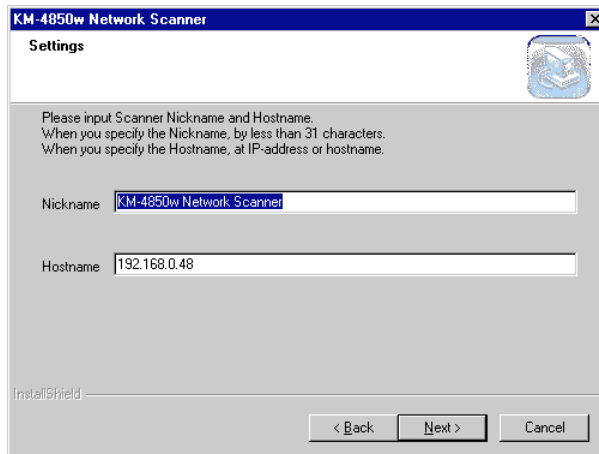
- 1 Run Windows. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Wide Format] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



- Click on [KM-4850w] and then on [TWAIN Source] in the following window. The Installation wizard will open. Click on [Next].



- 5 Select the language you want to use for the TWAIN Source and click on [OK].
- 6 Type in the IP address or the Host Name of the Server, and click on [Next].



- 7 Continue the installation procedure by following each of the steps described on-screen.

## 3-2 Removing the TWAIN Source

Removal of the TWAIN Source is accomplished by using the [Add/Remove Programs] Control Panel.

- 1 Run Windows.
- 2 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Control Panel] in the submenu that is displayed.
- 3 Double-click on [Add/Remove Programs]. The [Properties] dialog box for [Add/Remove Programs] will open.
- 4 Select the TWAIN Source files that you want to delete and then click on [Add/Remove...].
- 5 Continue the removal procedure by following each of the steps described on-screen.

### 3-3 Installing the Scanner File Utility

#### ● Recommended Operating Environment

|                      |                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------|
|                      | IBM PC-AT or compatible                                                                           |
| OS                   | Windows 95 (OSR2)/98 (Second Edition)/Me/<br>NT 4.0 (with Service Pack 5 or later installed)/2000 |
| CPU                  | 266 MHz Celeron or faster                                                                         |
| RAM                  | 128 MB or more                                                                                    |
| Free hard disk space | 300 MB (Over 1% of the total hard disk space must be free for operation)                          |
| CD-ROM drive         | One drive                                                                                         |
| Network Port         | One 100BASE-TX or 10BASE-T port (shared with printer)                                             |

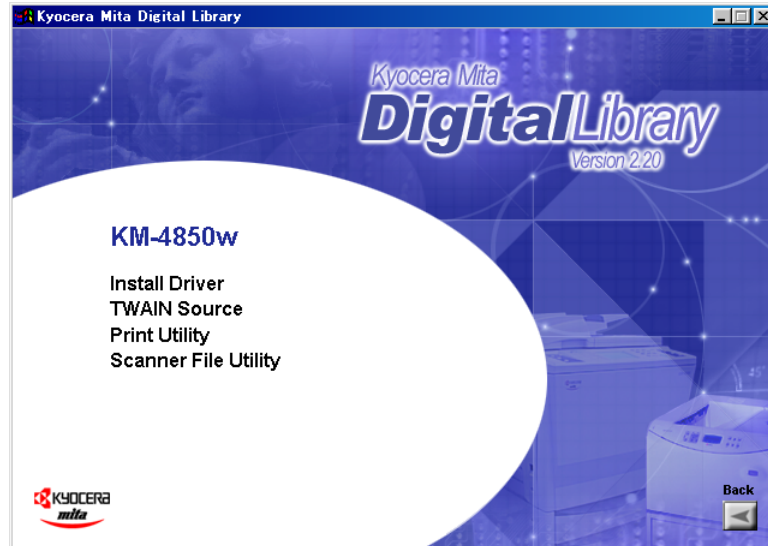
- \* Be aware that when you attempt to scan a large-sized original at a high resolution and high quality grayscale, the size of the image file that is created will be quite large and memory needs will thus be greater than listed above.

## ● Installation Procedure

- 1 Run Windows. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Wide Format] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



- 4 Click on [KM-4850w] and then on [Scanner File Utility] in the following window.



- 5 Continue the installation procedure by following each of the steps described on-screen.

## 3-4 Removing the Scanner File Utility

Removal of the Scanner File Utility is accomplished by using the [Add/Remove Programs] Control Panel.

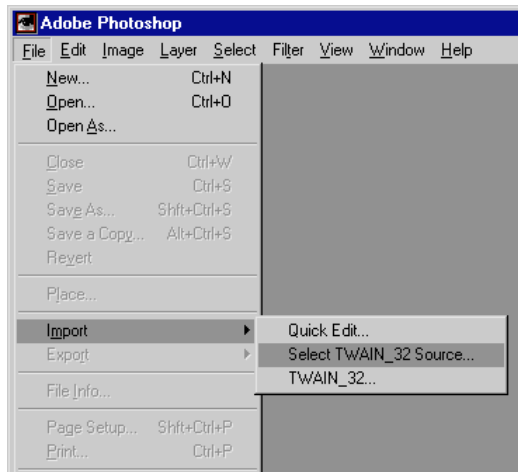
- 1 Run Windows.
- 2 Quit the Scanner File Utility. (Refer to page 2-27.)
- 3 Use the mouse to point to [Settings] in the [Start] menu on the Task Bar, and click on [Control Panel] in the submenu that is displayed.
- 4 Double-click on [Add/Remove Programs]. The [Properties] dialog box for [Add/Remove Programs] will open.
- 5 Select the Scanner File Utility files that you want to delete and then click on [Add/Remove...].
- 6 Continue the removal procedure by following each of the steps described on-screen.

## 4-1 Basic Scanning Procedure

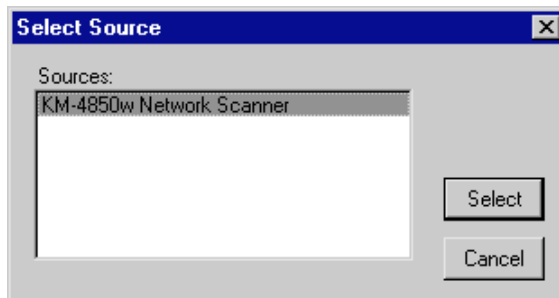
The following basic scanning procedure explains how to scan with the TWAIN-compatible application Adobe Photoshop using the TWAIN Source.

The general operational flow involves sending a scan command from your computer and setting the document to be scanned in the copier-scanner once it is in a "scan ready" state. The data for the scanned document will then be automatically transmitted to the computer.

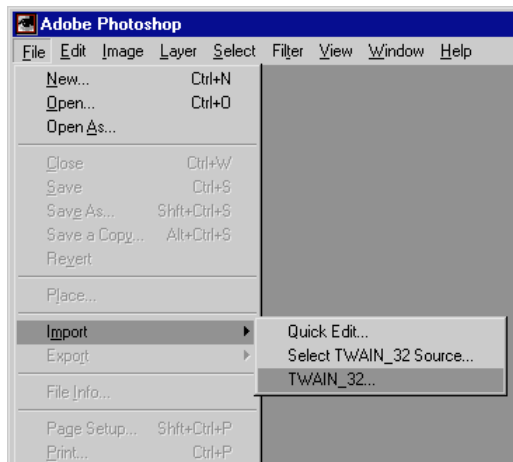
- 1 Run Adobe Photoshop.
- 2 Use the mouse to point to [Import] under the [File] menu and click on [Select TWAIN\_32 Source...].



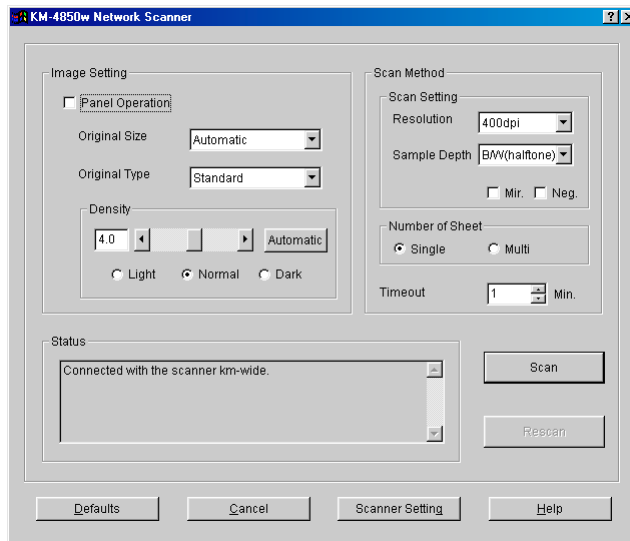
- 3 Select the "scanner" (the copier with CAD Master Controller installed) that you want to use and click on [Select].



- 4 Use the mouse to point to [Import] under the [File] menu and click on [TWAIN\_32...].



- 5 Perform whatever settings are required.

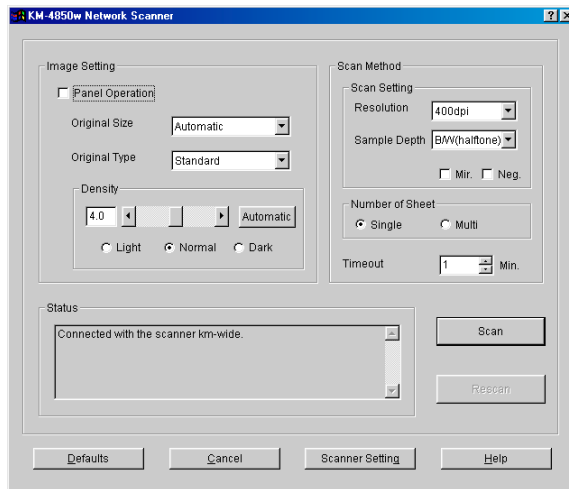


- 6 Click on [Scan].
  - \* If you are unable to connect to the copier-scanner, make sure that it is operating and that it is not being used for another operation like copying.
- 7 When the copier-scanner is in a "scan ready" state, "Ready to scan." will appear in the copier-scanner's message display.
- 8 Set the document that you want to scan. Scanning will begin automatically.
- 9 Once scanning of the document is complete, the corresponding data will be automatically transmitted to your computer.

## 4-2 Making Scanning Settings (Settings in the [Network Scanner] Dialog Box)

The following explains some of the settings that can be made in the [Network Scanner] dialog box.

For more detailed information, click on the [Help] button as well.



### NOTE

The available image transmission sizes and other available setting items will depend upon the settings made for the resolution and grayscale quality. For more information, refer to "5-5 Scanning Functions Combination Charts" on page 2-40.

[Panel Operation] checkbox: Put a check mark in this checkbox when you want to put the copier-scanner in the Panel Operation mode (where scanning procedures can be performed from the copier-scanner's operation panel). In this case, any settings performed under [Original Size], [Original Type] and [Density] in this dialog box will be invalid.

[Original Size] field: Select the size of the document to be scanned. Selection is possible between "Automatic", "Standard Size" (Refer to "● Standard Sizes Available for Selection under [Original Size]"), "U1" through "U6" and "Custom". "U1" through "U6" will display custom sizes that you have registered previously. Registration of these custom sizes "U1" through "U6" is accomplished by selecting [Custom] first and then performing the appropriate operation in the [Custom size] dialog box.

## ● Standard Sizes Available for Selection under [Original Size]

Inch specifications: 34" x 44"R, 34" x 44"E, 22" x 34"R, 22" x 34"E, 17" x 22"R, 17" x 22"E, 11" x 17"R, 11" x 17"E, 8.5" x 11", 36" x 48"R, 36" x 48"E, 24" x 36"R, 24" x 36"E, 18" x 24"R, 18" x 24"E, 12" x 18"R, 12" x 9"E and 9" x 12"R

Metric specifications: A0 Portrait, A1 Portrait, A1 Landscape, A2 Portrait, A2 Landscape, A3 Portrait, A3 Landscape, A4 Portrait, B1 Portrait, B2 Portrait, B2 Landscape, B3 Portrait, B3 Landscape, B4 Portrait and B4 Landscape

[Original Type] field: Select the type according to the document to be scanned. Selection is possible between "Standard" and "Text/Line".

[Density] field: Adjusts the level of contrast. The available selections will differ depending upon the setting made under [Original Type].

- If [Standard] is selected as the [Original Type]...  
The density can be adjusted to any 0.5 increment between 1 and 7, in any one of three settings: "Light", "Normal" or "Dark". It is also possible to select "Automatic" and have the density automatically adjusted according to the document itself.
- If [Text/Line] is selected as the [Original Type]...  
The density can be adjusted to any 0.5 increment between 1 and 7.

[Resolution] field: Select the scanning resolution. Selection is possible between "200", "300", "400", "600", "1200" and "2400" dpi.

[Sample Depth] field: Select the level of grayscale. Selection is possible between "B/W", "B/W (halftone)", "Grayscale (STD)" and "Grayscale (HQ)".

[Mir.] checkbox: Put a check mark in this checkbox when you want to take a mirror-image scan of your document where the left and right sides are reversed.

[Neg.] checkbox: Put a check mark in this checkbox when you want to take a negative scan (such as with negative film where black and white is reversed).

[Number of Sheet] radio buttons: Select the number of documents to be scanned. Selection is possible between "Single" and "Multi". Select "Multi" when you want to scan more than one document in a single operation.

[Timeout] field: This setting determines the amount of time that should elapse before the copier-scanner is automatically taken out of the "scan ready" state if scanning is not carried out while the copier-scanner is in that waiting state.

Setting is possible to any one minute increment between 1 and 10 minutes.

[Status] field: Indicates the state of the connection to the copier-scanner as well as the status of the scanning procedure.

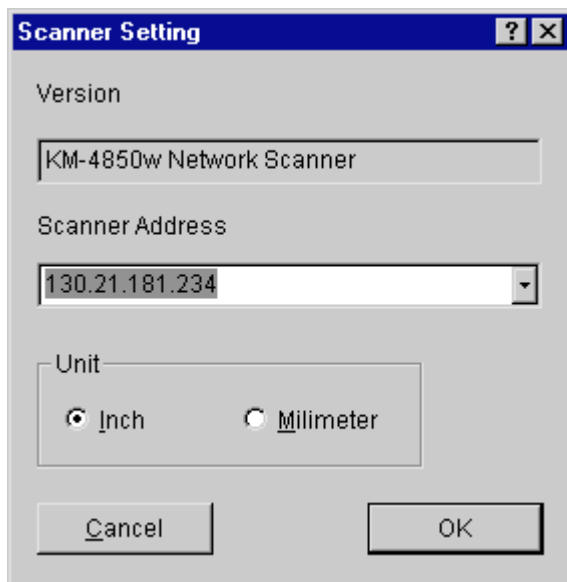
[Scan] button: Click on this button when you want to send the scan command and initiate the scanning operation.

[Rescan] button: Click on this button when you want to display for a second time scanned data that is already saved on your hard disk. If there is no such data available for display, this button will be grayed out (not clickable).

\* If the main switch is turned OFF (  ), all scan data will be erased.

[Scanner Setting] button: Click on this button when you want to access the [Scanner Setting] dialog box.

[Scanner Setting] Dialog Box



The image shows a Windows-style dialog box titled "Scanner Setting". It has a blue title bar with a question mark icon and a close button (X). The dialog box contains the following fields and controls:

- Version:** A text field containing "KM-4850w Network Scanner".
- Scanner Address:** A text field containing "130.21.181.234".
- Unit:** A group box containing two radio buttons:   
 - ☒ Inch   
 - ☐ Millimeter
- Buttons:** "Cancel" and "OK" buttons at the bottom.

[Scanner Address] field: Type in the IP address or the Host Name of the copier-scanner here.

[Unit] radio buttons: Select the desired unit of measure, either "Inch" or "Millimeter".

## 5-1 What is the Scanner File Utility?

The Scanner File Utility is responsible for sending scanned image data directly to your computer and saving it in a designated folder. Once the Scanner File Utility is installed in your computer, it will start up automatically each time you boot up the computer, an icon will appear on the Task Bar to indicate that it is running and the utility will remain in a waiting state for data to be sent from the copier-scanner.

The only operation required at the computer is for the destination folder and corresponding security password to be registered in advance. Once this is done, image data that is scanned at the copier-scanner will be saved automatically into the designated folder.

- \* In order to use the Scanner File Utility, it is necessary for you to use the Web Manager interface to register, in the copier-scanner, in advance, the information regarding the destination computer and the designated folder where the scanned data will be saved. (Refer to page 4-35.)

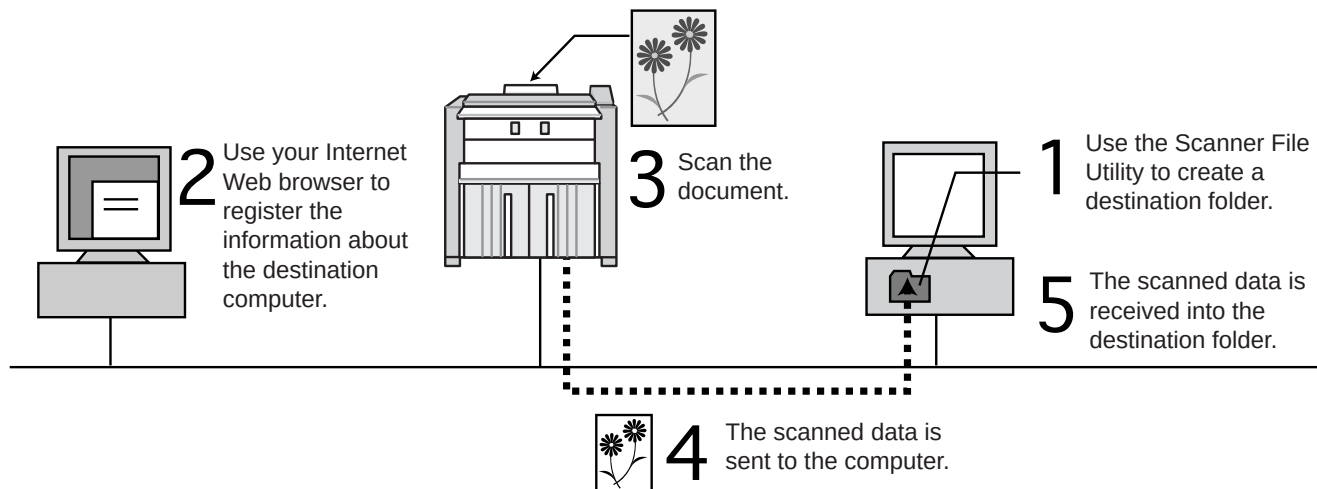
### 5-1-1 Preparations

First, perform the following set-up procedure in order to use the Scanner File Utility.

- 1 Install the Scanner File Utility into the desired computer. (Refer to page 2-14.)
- 2 Run the Scanner File Utility and designate the destination folder into which you want the scanned data to be saved. (Refer to page 2-29.)
- 3 Use an Internet Web browser to register the IP address of the computer where the data will be saved, as well as the corresponding "Registration name" and "Save number" of the folder into which the data is to be saved. (Refer to page 4-35.)
  - \* In the "Save number" field, be sure to enter the same number as the "folder number" (1 - 100) that you registered for that destination folder using the Scanner File Utility.

## 5-1-2 Operation Flow

The following illustrates the flow of operation when using the Scanner File Utility to save scanned data to a destination folder on your computer.



## 5-2 Main Dialog Box

Once installed in your computer, the Scanner File Utility will start up automatically each time you boot up the computer. However, any time you want to quit the utility program, whenever you want to designate the folder into which data – received from the copier-scanner – will be saved, as well as when you want to set a security password for that folder, you will need to access the Main dialog box.

### 5-2-1 Opening the Main Dialog Box

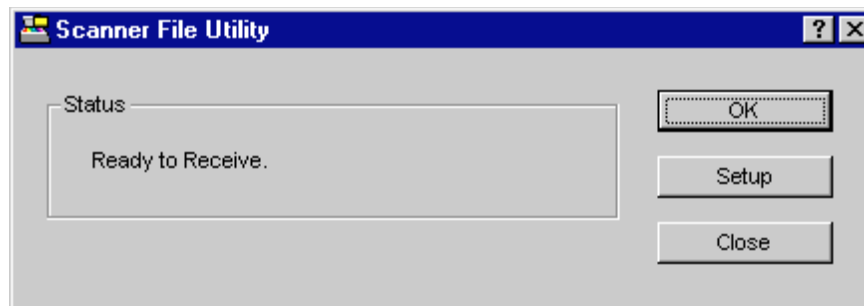
- **While the Scanner File Utility is running...**

Double-click on the Scanner File Utility's icon on the Task Bar. The main dialog box for the Scanner File Utility will open.

- **When the Scanner File Utility is NOT running...**

Click on [Start] on the Task Bar, and then select "Program" → "Scanner User Software" → "Scanner File Utility" in that order from the successive menus. An icon that indicates that the utility is now running will appear on the Task Bar. Double-click on that icon and the main dialog box for the Scanner File Utility will open.

## 5-2-2 About the Main Dialog Box



[Status] area: Displays the current status of the copier-scanner.

[OK] button: Click on this button when you want to close the main dialog box.

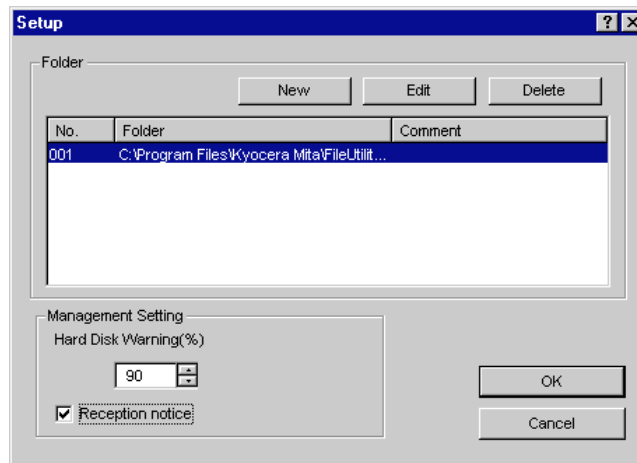
[Setup] button: Click on this button when you want to designate a new destination folder for receiving scanned data, or when you want to change settings or set a security password for any of the currently designated folders. (Refer to page 2-29)

[Close] button: Click on this button when you want to quit the Scanner File Utility.

## 5-3 Making Settings for Scan Data Destination Folders

### 5-3-1 About the [Setup] Dialog Box

Any time that you want to designate a new destination folder for receiving scanned data, or when you want to change settings or set a security password for any of the currently designated folders, click on the [Setup] button in the Scanner File Utility's main dialog box. The [Setup] dialog box will open and will show a list of the currently designated destination folders.



[New] button: Click on this button when you want to designate a new destination folder for receiving scanned data.

[Edit] button: Click on this button when you want to edit information for any currently designated folder.

[Delete] button: Click on this button when you want to remove the designation of any folder as a destination folder for receiving scanned data.

[No.] column: Each number shown here is the "folder number" of the corresponding destination folder.

[Folder] column: Shows the path of each designated destination folder.

[Comment] column: Shows any comments registered for the corresponding destination folder.

[Hard Disk Warning (%)] field: the volume of data on the hard disk reaches the percentage registered here, a warning message will be displayed in the [Status] area of the main dialog box for the Scanner File Utility.

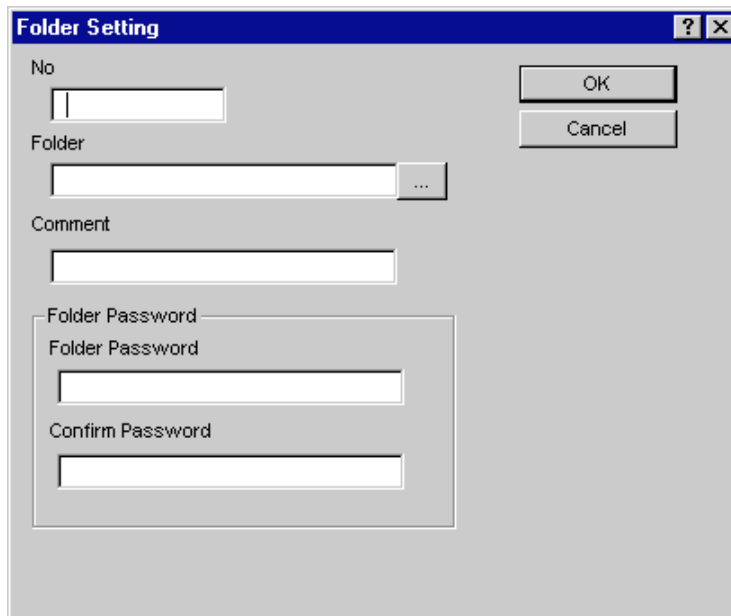
- \* If the volume of data on the hard disk reaches the designated percentage, the icon that is displayed on the Task Bar whenever the Scanner File Utility is running will turn yellow as well in order to indicate that status.

[Reception notice] checkbox: Put a check mark in this checkbox when you want to receive notice whenever scanned data has been received into a destination folder.

[OK] button: Click on this button when you have completed designating or changing settings related to destination folders. The main dialog box for the Scanner File Utility will be displayed once again.

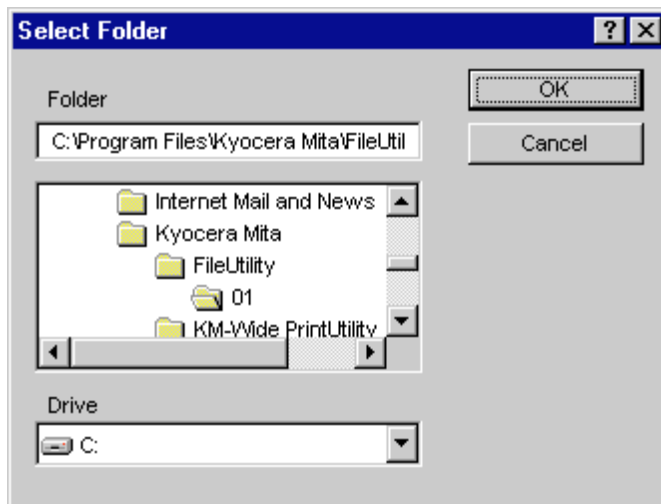
### 5-3-2 Designating a New Destination Folder for Receiving Scanned Data

When you want to designate a new destination folder, click on the [New] button in the [Setup] dialog box. The [Folder Setting] dialog box will open.

The image shows a Windows-style dialog box titled "Folder Setting". It has a blue title bar with a question mark icon and a close button (X). The dialog box contains several input fields and buttons. At the top left, there is a label "No." followed by a small text input field. Below this is a label "Folder" followed by a larger text input field and a button with three dots "...". To the right of these fields are two buttons: "OK" and "Cancel". Below the "Folder" field is a label "Comment" followed by a text input field. At the bottom, there is a section for passwords. It has a label "Folder Password" followed by a text input field. Below that is a label "Confirm Password" followed by another text input field.

- 1 Type an unregistered number between "1" and "100" into the [No.] field.
  - \* The number that you enter here will become the "folder number" for that destination folder and it is this "folder number" that you will have to register as the "Save number" in the Internet Web browser in order to designate in the copier-scanner which folder to send the scanned data to.

- 2 Click on [...] to the right of the [Folder] field in order to select the new folder that you want to use as a destination folder for receiving scanned data. The [Select Folder] dialog box will open.
  - \* You may also select the desired folder by typing the path for that folder directly into the [Folder] field.



A list of all of the folders available on the available hard disk(s) will be displayed in the [Select Folder] dialog box. Select the folder that you want to designate as a destination folder for receiving scanned data and click on [OK].

- \* You WILL be able to switch among available drives, but you will NOT be able to select any removable drive such as a Floppy Disk drive, an MO drive or a virtual drive on your network.

- 3 If you want to enter a comment about that folder, type the desired information directly into the [Comment] field (up to 32 characters).
- 4 You can also designate a password for that folder for security purposes. If you want to set a security password for that folder, type the desired password directly into the [Folder Password] field (up to 8 characters).
  - \* If you do not need a security password for that folder, there is no special need to enter this setting.
- 5 If you did enter a security password in the [Folder Password] field, type the same password into the [Confirm Password] field. This step is necessary in order to ensure that the password was entered correctly.
  - \* If you did enter a security password, it will also be necessary to enter that password in the copier-scanner during the scanning procedure there.
- 6 Once you have completed all of the settings, click on [OK]. The selected folder will be registered with the entered information.

### 5-3-3 Changing Settings for a Registered Destination Folder

When you want to change the settings of a destination folder currently registered to receive scanned data, select the folder you want from among the displayed list and then click on the [Edit] button in the [Setup] dialog box. The [Folder Setting] dialog box for making the corresponding settings will open.

The screenshot shows a 'Folder Setting' dialog box. It has a title bar with a question mark icon and a close button. The dialog contains the following fields and controls:

- No.**: A text box containing the value '001'.
- Folder**: A text box containing the path 'C:\Program Files\Kyocera Mita\FileUtil' and a browse button (...).
- Comment**: An empty text box.
- Folder Password**: A section containing three text boxes:
  - Old Password**: A text box containing '\*\*\*\*\*'.
  - New Password**: A text box containing '\*\*\*\*\*'.
  - Confirm New Password**: A text box containing '\*\*\*\*\*'.
- Buttons**: 'OK' and 'Cancel' buttons are located on the right side of the dialog.

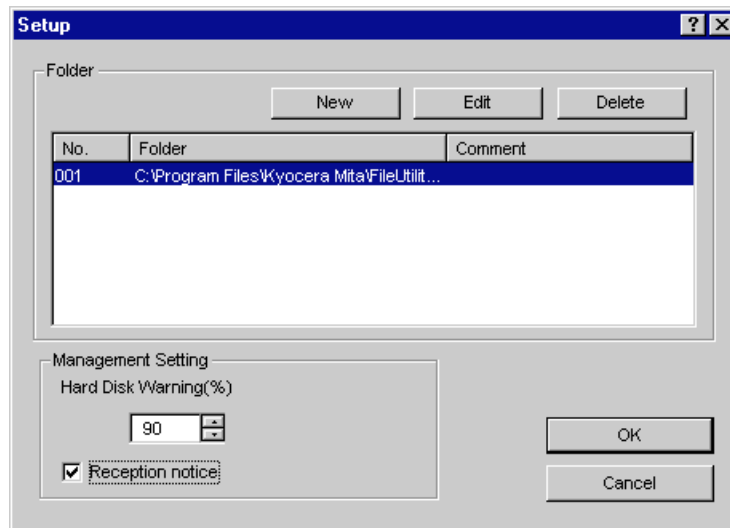
- 1 If you want to change the settings in the [No.] field, the [Folder] field or the [Comment] field, follow the corresponding procedure described in “5-3-2 Designating a New Destination Folder for Receiving Scanned Data” on page 2-31.

- 2 If you want to change the security password for that folder, type the currently registered password into the [Old Password] field.
- 3 Type the new password that you want to register directly into the [New Password] field (up to 8 characters).
- 4 In order to ensure that the new password was entered correctly, type the same password into the [Confirm New Password] field.
- 5 Click on [OK]. If there was no mistake in any of the password fields, the selected folder will be registered with the new information.

### 5-3-4 Removing a Destination Folder Designation

Perform the following procedure when you want to remove the designation of any folder as a destination folder for receiving scanned data.

- 1 In the [Folder] column of the [Setup] dialog box, click on the folder that you want to remove the destination folder designation for, in order to select it.



- 2 Click on [Delete]. The designation of that folder as a destination folder for receiving scanned data will be removed.

## 5-4 Saving Scanned Data as a File

### 5-4-1 Outline of the Procedure

The following procedure explains in general how to use the Scanner File Utility to receive graphic image data from the copier-scanner.

- 1 Make sure that the Scanner File Utility is running in the computer in which you want to receive the data.
  - \* If the Scanner File Utility is NOT running, refer to “5-2-1 Opening the Main Dialog Box” on page 2-27 and start up the utility.
- 2 On the scanner's operation panel, select the destination computer that you want to save the scanned data into.
- 3 If a security password has been registered for that folder, enter that password.
  - \* If no password has been registered, this step is not necessary.
  - \* If the entered password does not match the registered one, an error will occur and you will be unable to continue the procedure.
- 4 Set the document that you want to scan into the copier-scanner. The document will be scanned and the resulting data will be sent to the designated computer. The received image data will be compressed and then saved into the designated folder.
  - \* The saved file can then be used as desired. It can, for example, be sent to other parties via email, or displayed and edited using any application that is commercially available for that purpose, etc.

## 5-4-2 File Names

Whenever graphic image data is saved as a file on any computer, the file name (up to 16 characters + suffix) will be created based on information registered in advance using an Internet Web browser. If no settings have been made in advance, the file name will be automatically determined based on the following rules.

### **File name: \*\*\*\*\*nnnn\_mmm.suffix**

- **\*\*\*\*\***: Refers to the file name that is registered in the copier-scanner where the original was processed. This will be displayed in standard numbers, letters and/or symbols.
- **nnnn**: Refers to document number (job number) designated in the copier-scanner. This will be displayed as a 4-digit number between "0000" and "9999".
- **mmm**: Refers to the page number within a set of multiple originals. Each page will be saved as an individual file and given its own page number. This will be displayed as a 3-digit number between "000" and "999".
- **suffix**: Refers to the suffix that is added automatically by the Scanner File Utility based on the file format of the saved file.

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### **IMPORTANT!**

If the file name that is automatically assigned to a file is exactly the same name as a file that already exists in the same folder, the pre-existing file will be deleted and the new file written over it.

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## 5-4-3 If an Error Occurs when Writing Data to the Destination Hard Disk

If there is insufficient space on the hard disk to save any file that is sent from the copier-scanner, reception of any subsequent data for that image will be stopped and the data received up to the point that the hard disk becomes full will be deleted.

---

### CAUTION

If the Scanner File Utility icon changes color...

If the volume of data on the hard disk reaches a designated percent, the Scanner File Utility icon that is displayed on the Task Bar will turn yellow to indicate that status. In this case, free up space on the hard disk by saving data to another disk or media, etc.

In addition, if the amount of free space on the hard disk reaches less than 1%, this icon will turn red and you will be unable to receive any more data onto that disk.

---

## 5-5 Scanning Functions Combination Charts

### 5-5-1 During Scan to PC (PCScan)

|                                                       |                    |                                      | Settings on the operation panel |                       |                         |                         | Scan to PC      |
|-------------------------------------------------------|--------------------|--------------------------------------|---------------------------------|-----------------------|-------------------------|-------------------------|-----------------|
|                                                       |                    |                                      | Page Mode Setting               | Original Type Setting | Scan Density Adjustment | Image Transmission Size | Image Quality   |
| Operation Panel                                       | Resolution         | 2400 dpi <sup>*1</sup>               | ○                               | ○                     | ○                       | △ <sup>*4</sup>         | ○               |
|                                                       |                    | 1200 dpi <sup>*1</sup>               | ○                               | ○                     | ○                       | △ <sup>*4</sup>         | ○               |
|                                                       |                    | Under 600 dpi                        | ○                               | ○                     | ○                       | ○                       | ○               |
|                                                       | Format/<br>Quality | TIFF (2)                             | ○                               | △ <sup>*3</sup>       | ○                       | ○                       | △ <sup>*6</sup> |
|                                                       |                    | TIFF (2 [Halftone])                  | ○                               | ○                     | ○                       | ○                       | ○               |
|                                                       |                    | JPEG (Grayscale [STD]) <sup>*2</sup> | ✕                               | △ <sup>*3</sup>       | ✕ <sup>*7</sup>         | △ <sup>*5</sup>         | △ <sup>*6</sup> |
|                                                       |                    | JPEG (Grayscale [HQ]) <sup>*2</sup>  | ✕                               | △ <sup>*3</sup>       | ✕ <sup>*7</sup>         | △ <sup>*5</sup>         | △ <sup>*6</sup> |
| Scan to PC (settings from<br>an Internet Web browser) | Resolution         | 2400 dpi <sup>*1</sup>               | ○                               | ○                     | ○                       | △ <sup>*4</sup>         | ○               |
|                                                       |                    | 1200 dpi <sup>*1</sup>               | ○                               | ○                     | ○                       | △ <sup>*4</sup>         | ○               |
|                                                       |                    | Under 600 dpi                        | ○                               | ○                     | ○                       | ○                       | ○               |
|                                                       | File Type          | TIFF (Monochrome)                    | ○                               | △ <sup>*3</sup>       | ○                       | ○                       | △ <sup>*6</sup> |
|                                                       |                    | TIFF (Monochrome [Halftone])         | ○                               | ○                     | ○                       | ○                       | ○               |
|                                                       |                    | JPEG (Grayscale [STD]) <sup>*2</sup> | ✕                               | △ <sup>*3</sup>       | ✕ <sup>*7</sup>         | △ <sup>*5</sup>         | △ <sup>*6</sup> |
|                                                       |                    | JPEG (Grayscale [HQ]) <sup>*2</sup>  | ✕                               | △ <sup>*3</sup>       | ✕ <sup>*7</sup>         | △ <sup>*5</sup>         | △ <sup>*6</sup> |

\*1: Only for Scan to PC and Send to PC reservation

\*2: Only for Scan to PC

\*3: There may be no change even if the "Original Type" setting is changed.

\*4: The image transmission size setting will be changed to "Auto Detect".

\*5: Available image transmission sizes will be limited. (Refer to "Original Size" on page 2-44.)

\*6: There may be no change even if the "Image Quality" setting is changed.

\*7: The scan density setting will be invalid.

## 5-5-2 During WebScan

|             |                 | Settings on the operation panel |                         |                         | WebScan (settings from an Internet Web browser) |      |      |     |               |               |         |
|-------------|-----------------|---------------------------------|-------------------------|-------------------------|-------------------------------------------------|------|------|-----|---------------|---------------|---------|
|             |                 | Original Type Setting           | Scan Density Adjustment | Image Transmission Size | Recording Format                                |      |      |     | Original Size | Original Type | Density |
|             |                 |                                 |                         |                         | TIFF (compressed)                               | TIFF | JPEG | BMP |               |               |         |
| Resolution  | 2400 dpi        | ○                               | ○                       | △ *2                    | ○                                               | ○    | ○    | ○   | △ *5          | ○             | ○       |
|             | 1200 dpi        | ○                               | ○                       | △ *2                    | ○                                               | ○    | ○    | ○   | △ *5          | ○             | ○       |
|             | Under 600 dpi   | ○                               | ○                       | ○                       | ○                                               | ○    | ○    | ○   | ○             | ○             | ○       |
| Scan Sample | Monochrome      | △ *1                            | ○                       | ○                       | ○                                               | ○    | ×    | ○   | ○             | △ *6          | ○       |
|             | Halftone        | △ *9                            | ○                       | ○                       | ○                                               | ○    | ×    | ○   | ○             | ○             | ○       |
|             | Grayscale (STD) | △ *1                            | ×                       | △ *3                    | ×                                               | ×    | ○    | ×   | △ *4          | △ *6          | ×       |
|             | Grayscale (HQ)  | △ *1                            | ×                       | △ *3                    | ×                                               | ×    | ○    | ×   | △ *4          | △ *6          | ×       |

\*1: There may be no change even if the "Original Type" setting is changed.

\*2: The image transmission size setting will be changed to "Auto Detect".

\*3: Available image transmission sizes will be limited. (Refer to "Image Transmission Size" on page 2-43.)

\*4: The original size setting will be changed to "Auto Detect".

\*5: Available original sizes will be limited. (Refer to "Original Size" on page 2-44.)

\*6: There may be no change even if the "Original Type" setting is changed.

\*7: The scan density setting will be invalid.

\*8: The density adjustment will be invalid.

\*9: If the Recording Format is set to "BMP", there may be no change even if the "Original Type" setting is changed.

### 5-5-3 When using the TWAIN Source

|              |                 | Settings on the operation panel |                         |                         | Settings in the TWAIN Source |               |         |
|--------------|-----------------|---------------------------------|-------------------------|-------------------------|------------------------------|---------------|---------|
|              |                 | Original Type Setting           | Scan Density Adjustment | Image Transmission Size | Original Size                | Original Type | Density |
| Resolution   | 2400 dpi        | ○                               | ○                       | △ *2                    | △ *4                         | ○             | ○       |
|              | 1200 dpi        | ○                               | ○                       | △ *2                    | △ *4                         | ○             | ○       |
|              | Under 600 dpi   | ○                               | ○                       | ○                       | ○                            | ○             | ○       |
| Sample Depth | B/W             | △ *1                            | ○                       | ○                       | ○                            | △ *6          | ○       |
|              | B/W (halftone)  | ○                               | ○                       | ○                       | ○                            | ○             | ○       |
|              | Grayscale (STD) | △ *1                            | ✕ *7                    | △ *3                    | △ *5                         | △ *6          | ✕ *8    |
|              | Grayscale (HQ)  | △ *1                            | ✕ *7                    | △ *3                    | △ *5                         | △ *6          | ✕ *8    |

- \*1: There may be no change even if the "Original Type" setting is changed.
- \*2: The image transmission size setting will be changed to "Auto Detect".
- \*3: Available image transmission sizes will be limited. (Refer to "Image Transmission Size" on page 2-43.)
- \*4: The original size setting will be changed to "Auto Detect".
- \*5: Available original sizes will be limited. (Refer to "Original Size" on page 2-44.)
- \*6: There may be no change even if the "Original Type" setting is changed.
- \*7: The scan density setting will be invalid.
- \*8: The density adjustment will be invalid.

#### 5-5-4 Image Transmission Size

If you select "Grayscale" or "JPEG", the available image transmission sizes will differ depending upon the resolution that you select.

In addition, whenever you select a resolution of 2400 dpi or 1200 dpi, the selected image transmission size will become invalid and the setting will automatically change to "Auto Detect".

|            |               | Image Transmission Size (length) | Image Transmission Size (width) |           |
|------------|---------------|----------------------------------|---------------------------------|-----------|
|            |               |                                  | Architecture                    | Engineer  |
| Resolution | 2400 dpi      | Under 26.5"                      | 9"                              | 8.5"      |
|            | 1200 dpi      | Under 53.1"                      | 18"                             | 17"       |
|            |               |                                  | 12"                             | 11"       |
|            |               |                                  | 9"                              | 8.5"      |
|            | Under 600 dpi | Under 106.2"                     | Under 36"                       | Under 36" |

### 5-5-5 Original Size

If you select "Grayscale" or "JPEG", the available original sizes will differ depending upon the resolution that you select.

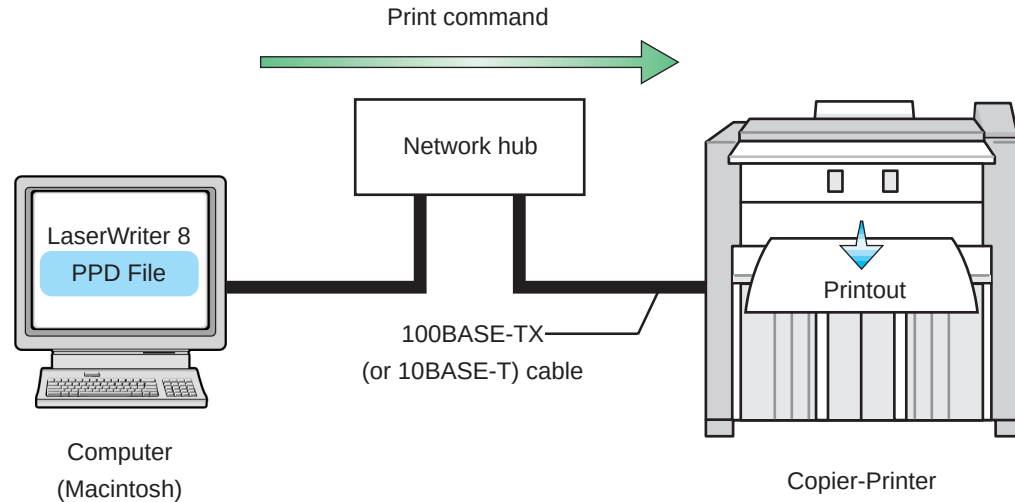
In addition, whenever you select a resolution of 2400 dpi or 1200 dpi, the selected original size will become invalid and the setting will automatically change to "Auto Detect".

|            |          | Original Size             | Width of Original |
|------------|----------|---------------------------|-------------------|
| Resolution | 2400 dpi | 9 x 12"R                  | 229 mm            |
|            |          | 8.5 X 11"R                | 216 mm            |
|            | 1200 dpi | 18 x 24"R, 12 x 18"E      | 457 mm            |
|            |          | 12 x 18"R, 9 x 12"E       | 305 mm            |
|            |          | 9 x 12"R                  | 229 mm            |
|            |          | 17 X 22"R, 11 x 17"E      | 432 mm            |
|            |          | 11 X 17"R, 8.5 x 11"E     | 279 mm            |
|            |          | 8.5 X 11"R                | 216 mm            |
|            | 2400 dpi | A4 Portrait               | 210 mm            |
|            | 1200 dpi | A2 Portrait, A3 Landscape | 420 mm            |
|            |          | A3 Portrait, A4 Landscape | 297 mm            |
|            |          | A4 Portrait               | 210 mm            |
|            |          | B3 Portrait, B4 Landscape | 364 mm            |
|            |          | B4 Portrait               | 257 mm            |

# ***Part 3***    **Using your Copier as a Printer (Macintosh)**

|           |                                                                       |      |
|-----------|-----------------------------------------------------------------------|------|
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| Section 3 | Setting up the Printer Driver .....                                   | 3-4  |
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| 3-2       | Making Settings in the Chooser .....                                  | 3-6  |
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| Section 5 | Making Printing Settings (Setting the Printer Specific Options) ..... | 3-12 |

The following shows the system configuration when using the copier as a printer for a Macintosh computer.



### 2-1 Using the CD-ROM

Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer. Double-click on the icon for the CD-ROM when it appears on the Desktop. The content of the CD-ROM will be displayed.

3-1 Installing the Printer Driver

In order to use your copier as a printer for a Macintosh computer, the LaserWriter 8 printer driver and the PPD file for this model copier-printer must be install in the computer.

● Operating Environment

|                         |                      |                                 |
|-------------------------|----------------------|---------------------------------|
|                         |                      | Macintosh                       |
| OS                      |                      | Macintosh OS 8.6 - 9.1          |
| Required environment    | CPU                  | PowerPC                         |
|                         | RAM                  | 24 MB                           |
|                         | Free hard disk space | 10 MB                           |
| Recommended environment | CPU                  | 200 MHz PowerPC 604 or faster   |
|                         | RAM                  | 64 MB or more                   |
|                         | Free hard disk space | 10 MB                           |
| CD-ROM drive            |                      | One drive                       |
| Printer Port            |                      | One 100BASE-TX or 10BASE-T port |

## ● Installing the PPD File

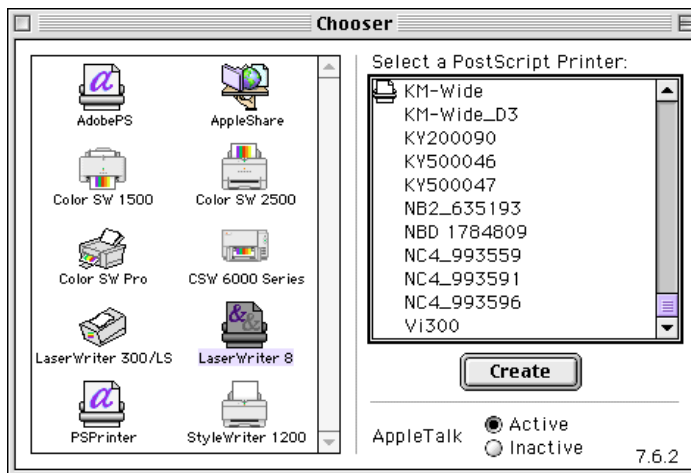
Perform the following procedure in order to copy the PPD file into the [Printer Descriptions] folder.

- 1 Start up your Macintosh computer. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Double-click on the icon for the CD-ROM when it appears on the Desktop. The content of the CD-ROM will be displayed.
- 4 Drag the [km4850w.ppd] from the [KM-4850w] folder on the CD-ROM into the [Printer Descriptions] folder on your computer. The [Printer Descriptions] folder is normally located within the [Extensions] folder that is in the [System Folder] on your hard disk.

### 3-2 Making Settings in the Chooser

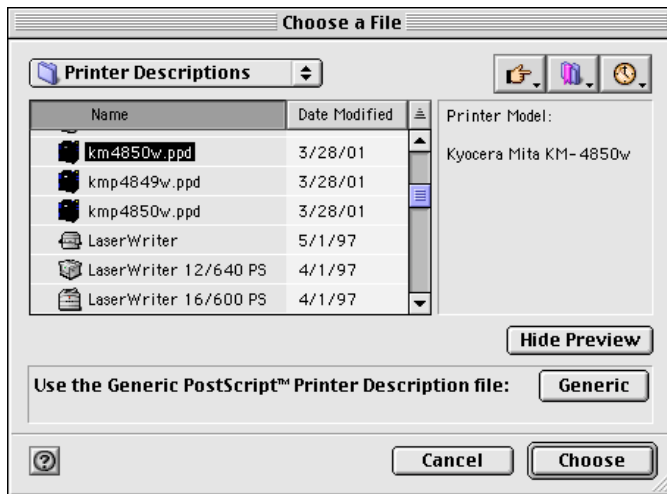
Before printing is possible, it is necessary to open the Chooser, make the appropriate settings and select the copier-printer over the network.

- 1 Select [Chooser] in the Apple Menu.
- 2 Click on [LaserWriter 8] in the left portion of the [Chooser] and then click on [KM-Wide] in the [Select a PostScript Printer] list on the right side in order to choose it.



- 3 Click on the [Create] button.

- 4 Select [km4850w.ppd] in the [Choose a File] dialog box that opens and click on the [Choose] button. The screen will return to the [Chooser].

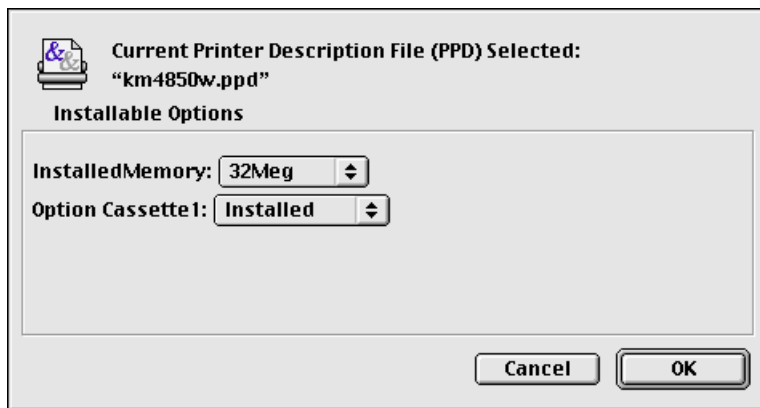


- 5 If the optional Drawer 1 is installed, continue with the following procedure in order to make the appropriate settings for that drawer.

## ● Chooser Settings (Making the optional Drawer 1 available)

If you want to use the optional Drawer 1, continue with the settings procedure as follows.

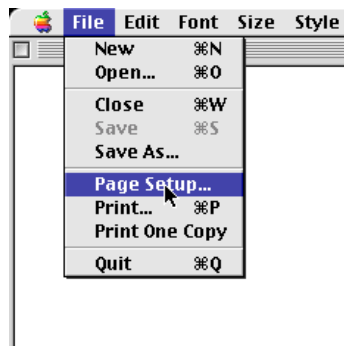
- 6 Select the copier-printer in the right side of the [Chooser] window and then click on the [Setup...] button.
- 7 Click on [Configure] in the resulting window.
- 8 Select "Installed" for the [Option Cassette 1] setting and then click on [OK].



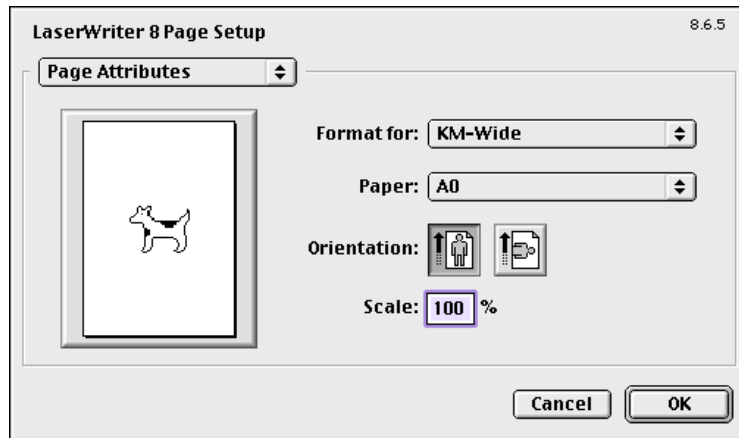
- 9 Click on the box in the upper-left corner of the [Chooser] in order to close it.

The following basic printing procedure is explained as though you are using the SimpleText application on your Macintosh computer. Since the actual printing procedure will differ depending upon the application you use, refer to the Instruction Manual for the application in use, or to the Help menu.

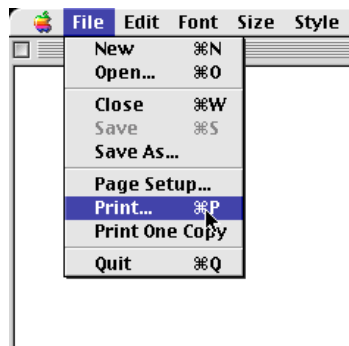
- 1 Open the file that you want to print in SimpleText.
- 2 Select [Page Setup...] under the [File] menu. The [Page Setup] window will open.



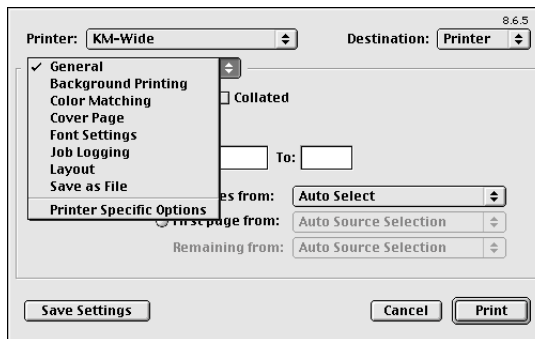
- 3 Select the desired paper size, etc., and click on [OK].



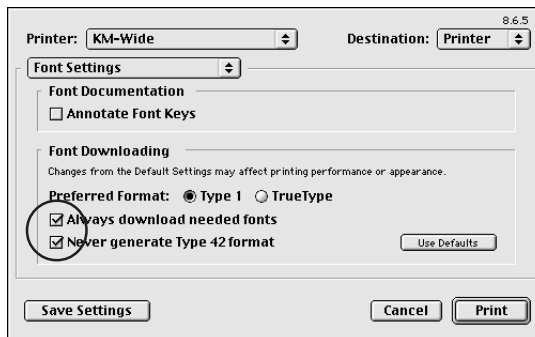
- 4 Select [Print...] under the [File] menu. The [Print] window will open.



- 5 Set the number of prints and which pages to print, etc., in the [Print] window and then select [Font Settings] or [Printer Specific Options]. (For information on the [Printer Specific Options] setting, refer to page 3-12.)



- 6 Under [Font Settings], put a check mark in the [Always download needed fonts] and [Never generate Type 42 format] checkboxes.



- 7 Click on [Print]. Printing will begin.

The following explains the printer-related settings that can be made under [Printer Specific Options]. For information on other settings, refer to the Instruction Manual for the application in use, or to the Help menu.

### [Printer Specific Options] settings

8.6.5

Printer: KM-Wide Destination: Printer

Printer Specific Options

Resolution: 600dpi

PPD Version:

Draft Mode: Off

Auto Rotate: Off

Whole: Off

Media: Plain

Save Settings Cancel Print

[Resolution] setting: This setting can not be changed from "600dpi".

[Draft Mode] setting: Turn this setting "ON" when you want to print in the draft mode (toner-saving mode).

[Auto Rotate] setting: Turn this setting "ON" when you want to have the printed image automatically rotated, as necessary, to fit onto the orientation of the presently set paper.

---

**NOTE**

If you want to use the [Linear Measure Adjustment] settings, turn [Auto Rotate] "OFF".

[Linear Measure Adjustment] can be set using the Web Manager interface.

---

[Whole] setting: Turn this setting "ON" when you want to increase the printing area of the paper and add a margin space to the leading and trailing edge of the paper.

---

**NOTE**

If you turn the [Whole] setting "ON", the length of the printed paper will be increased by the total length of the margin spaces selected.

---

[Media] setting: Selection of the desired paper type is possible between "Plain", "Vellum", "Film", "Custom" and "Printer Default".

---

**NOTES**

- Be sure to turn the [Paper working] setting "ON" in your copier. For more information, refer to the Operation Guide for the copier.
  - If you have already designated a location for paper feed, the setting made here will not be used and paper will be fed from the designated location regardless of the paper type loaded in that drawer.
-

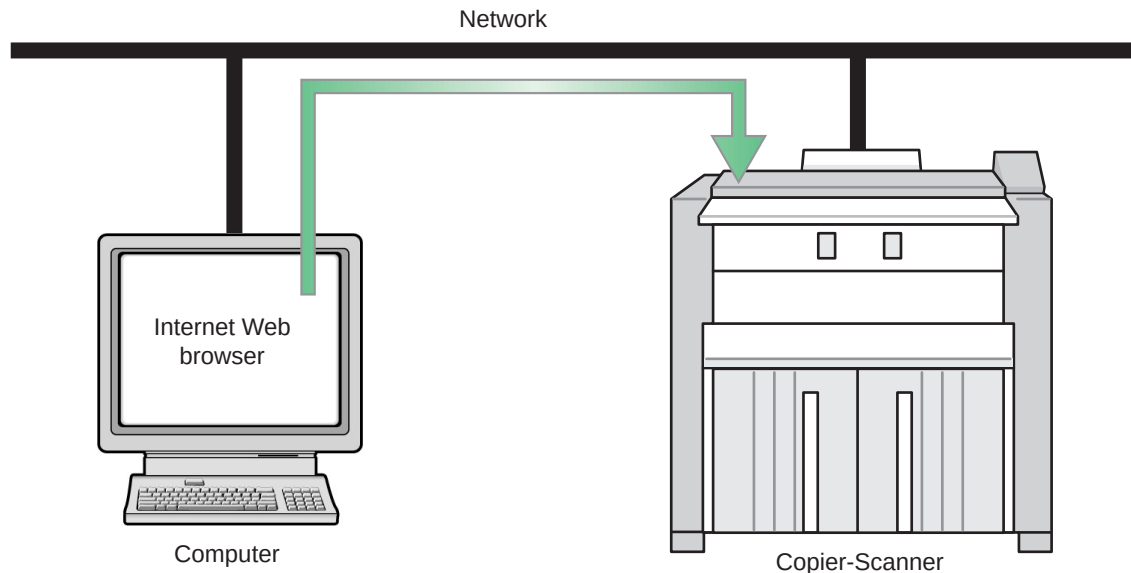
# Part 4    Accessory Utilities

|                                                        |      |
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The following interface and utilities are included with the CAD Master Controller.

## 1-1 The Web Manager Interface

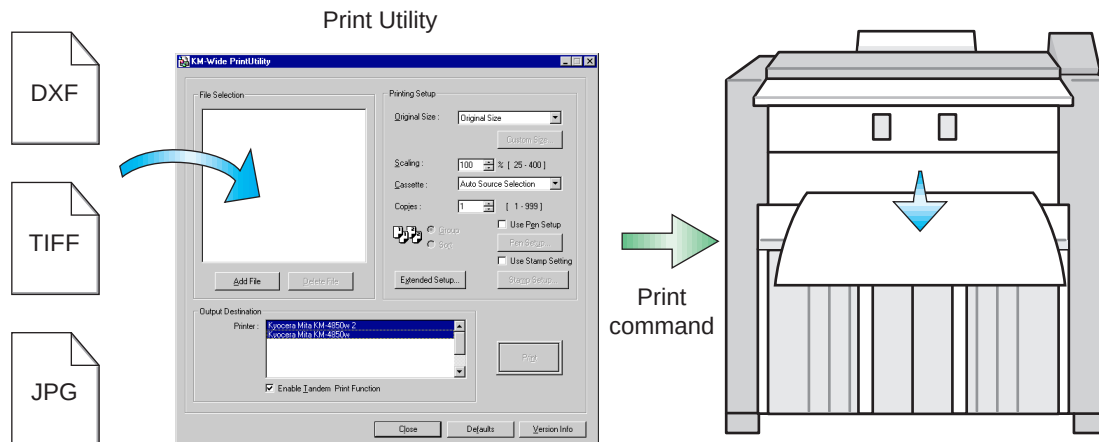
With the Web Manager interface, no special software other than a standard Internet Web browser (Internet Explorer, etc.) is required to make settings and send scan commands to the a copier with the CAD Master Controller installed.



A server computer for managing printing and scanning functions is installed in the CAD Master Controller network card. Web server software with a graphical interface runs in that card for server management purposes enabling you to make settings in an environment as simple as viewing an Internet homepage with a Web browser.

## 1-2 The Print Utility

The Print Utility allows you to select a file and print it without the need to open it in the application that created it.



## ● Convenient when...

- |                                         |                                                                                                                                                      |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| You want to print a completed data file | → Since you only need to select the file, the time it normally takes to open it in an application is eliminated.                                     |
| You want to print multiple files        | → Up to 30 separate files can be selected for printing at one time. This can save you a great amount of time.                                        |
| You want to print multiple sets fast    | → The Tandem Print Function enables simultaneous printing using two copier-printers that are connected together. This greatly reduces printing time. |

## ● Compatible file formats

HP-GL, HP-GL2, HP-RTL, Calcomp906/PCI, Calcomp907/PCI, CALS\_G4 (TIFF6.0), DXF (AutoCAD standard, some settings restricted), TIFF, JPEG, BMP, DGN (option) and CGM (option)

The Print Utility is compatible for use under Windows 95/98/Me, Windows NT 4.0 and Windows 2000.

## 1-3 KM-Net Viewer

It is possible to manage a copier with the CAD Master Controller installed from a computer over a network connection. For more information, refer to the ? button (Help) for the KM-Net Viewer.

## 2-1 What is Web Manager?

With the Web Manager interface, no special software other than a standard Internet Web browser (Internet Explorer, etc.) is required to use a computer to connect directly to, and make various settings in, a copier with the CAD Master Controller installed.

### When used under a Windows environment...

#### ● NOTES

- Due to compatibility issues, it is recommended that you use Internet Explorer 4.0 or later for your Internet Web browser.
- The Internet Explorer component "Java VM" (Virtual Machine) must be installed in your Internet Explorer Web browser.
- In order to use the Web Manager interface, the copier must be connected to the same network environment as the computer.

#### ● Required settings in the Internet Explorer Web browser

In order to use the Web Manager interface, the Java setting must be enabled and the Proxy Server setting disabled as shown in the following procedure.

<Procedure in Internet Explorer 5.0>

Be sure to restart Internet Explorer after you change the settings.

Enabling the Java setting

- 1 In Internet Explorer, select [Internet Options...] under the [Tools] menu and then click on the [Advanced] Tab.
- 2 Put a check mark in the checkbox for [JIT compiler for virtual machine enabled (requires restart)] under [Microsoft VM].

Disabling the Proxy Server setting

- 1 In Internet Explorer, select [Internet Options...] under the [Tools] menu and then click on the [Connections] Tab.
- 2 Make sure there is NO check mark in the checkbox for [Use a proxy server] under [LAN Settings...].

**When used with a Macintosh computer...**

## ● NOTES

- It is recommended that you use Internet Explorer 5.0 for your Internet Web browser.
- "Mac OS Runtime for Java" (MRJ 2.2.2) must be installed in your system. MRJ can be downloaded from Apple's public domain homepage: [www.apple.com](http://www.apple.com)
- In order to use the Web Manager interface, the copier must be connected to the same network environment as the computer.

## ● Required settings in Internet Explorer 5.0

In order to use the Web Manager interface, the following settings must be made.

- Set the "Desired Memory" and the "Minimum Memory" allotted to Internet Explorer 5.0 to at least 16 MB.
- Make the following default settings:
  - 1 Under the [Preferences...] menu, select [Advanced] and then set the [Page Refresh] setting under [Cache] to "Always".
  - 2 Under the [Preferences...] menu, select [Java] and then put a check mark in the [Enable Java (Apple MRJ)] checkbox under [Java Options].
  - 3 Under the [Preferences...] menu, select [Proxies] and then turn OFF the [Proxy Server] setting under [Use Proxy Servers].

Be sure to restart Internet Explorer after you change the settings.

## 2-2 Running Web Manager

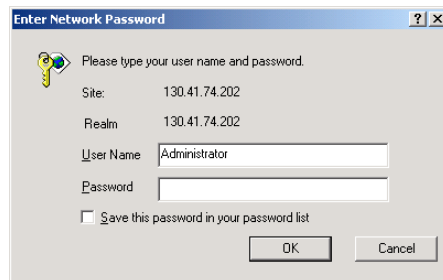
- 1 Start up your Internet Explorer application.
- 2 Type the IP address of the copier into the location field as follows:  
*http://<the IP address of your copier>*

---

### NOTES

- Confirm the correct address by referring to the IP address under the default settings in the copier's operation panel, or by checking with your network manager.
  - In place of the IP address, it is possible to enter the registered Host Name of the copier.  
[Example: <http://km4850w/>] (Refer to "Changing the Host Name" on page 4-46.)
- 

- 3 The login window will appear. Enter the registered User Name and Password into the appropriate fields and click on [OK]. (If you are logging in for the first time, refer to "Registering a New User" on page 4-20.)



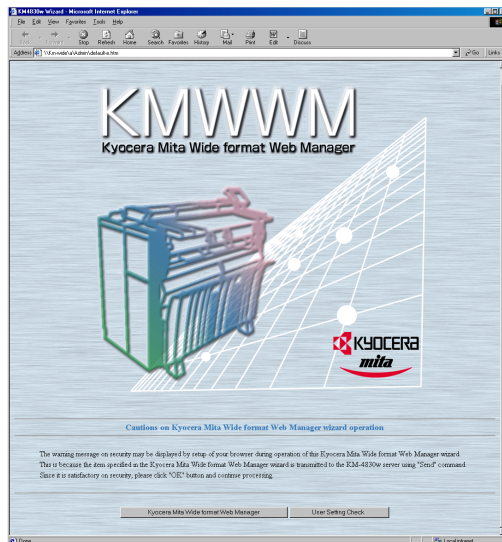
---

### NOTE

The factory default User Name is "Administrator". The first time you attempt to log in, use "Administrator" for the User Name and then click on [OK].

---

- 4 Once you are logged in successfully, the [Web Manager] wizard will open. Click on either [Kyocera Mita Wide format Web Manager] or [User Setting Check], as desired, at the bottom of that screen.



## ● The User Setting Check screen

You can check in your computer whether or not the Web Manager screen is being displayed properly. Once you are finished, click on [Kyocera Mita Wide format Web Manager] to access the Web Manager interface directly.

## 2-3 Operation in Web Manager

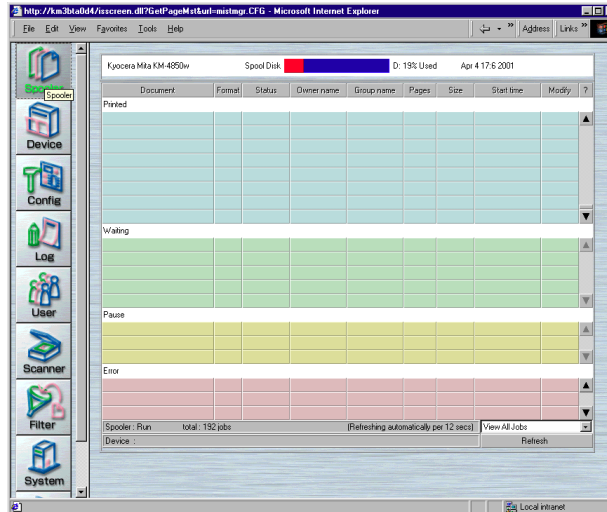
The Web Manager interface is composed of the following menus. The menus that will be displayed and their content will differ depending upon whether you have logged in as the "Administrator" (with Administrator privileges) or as a regular user (without Administrator privileges).

| Icon                                                                              | Menu name    | Log in               | Content                                                                            | Reference section & page |
|-----------------------------------------------------------------------------------|--------------|----------------------|------------------------------------------------------------------------------------|--------------------------|
|  | Spooler Icon | Administrator / User | Displays the printing conditions and enables changes to settings.                  | 2-3-1<br>(Page 4-11)     |
|  | Device       | Administrator / User | Displays the status of the copier-printer and enables settings related to options. | 2-3-2<br>(Page 4-13)     |
|  | Config       | Administrator / User | Enables settings related to spooling.                                              | 2-3-3<br>(Page 4-17)     |
|  | Log          | Administrator        | Enables verification of the System Log, Account Log, AutoPrint Log and Update Log. | 2-3-4<br>(Page 4-21)     |
|  | User         | Administrator        | Enables management of user accounts and groups.                                    | 2-3-5<br>(Page 4-23)     |

| Icon                                                                              | Menu name | Log in               | Content                                                                               | Reference section & page |
|-----------------------------------------------------------------------------------|-----------|----------------------|---------------------------------------------------------------------------------------|--------------------------|
|  | Password  | User                 | Enables changing of the password for the account under which you have logged in.      | 2-3-6<br>(Page 4-28)     |
|  | Scanner   | Administrator / User | Enables scanning to be performed using the Web Manager and well as PCScan settings.   | 2-3-7<br>(Page 4-29)     |
|  | Filter    | Administrator / User | Enables filter-related settings when using the [Auto Print] function.                 | 2-3-8<br>(Page 4-39)     |
|  | System    | Administrator        | Enables system management such as performing network settings and making test prints. | 2-3-9<br>(Page 4-44)     |
|  | Help      | Administrator / User | Displays the On-Line Help.                                                            | 2-3-10<br>(Page 4-48)    |

### 2-3-1 Spooler Icon

The [Spooler] screen displays printing conditions and allows you to change and cancel print jobs, etc. Only the Administrator can cancel a print job which originated from another computer.



[Spool Disk] bar: Indicates the amount of memory allotted for spooling that is currently being used.

[Spooler] area: Indicates the current status of the spooler, the number of jobs being spooled and the automatic refresh rate.

#### NOTES

It is possible to change the setting that determines whether or not all completed print jobs will be automatically deleted from the spool. (Refer to "Printed Jobs Action" on page 4-18.)

[Device] area: Indicates the current status of the copier-printer.

[Job Display] field: Select from between "View All Jobs" and "View My Jobs Only".

[Job List]: Lists up all spooled jobs under their current status: "Printed", "Waiting", "Pause" or "Error"

### ● Managing jobs in the Job List

Spooled jobs can be managed by right-clicking on a desired job in the Job List and selecting the corresponding operation: "Pause", "Stop", "Print", "Reprint", "Delete" and "Detail". (Available operations will differ depending upon the status of the job.)

If you select "Detail" for any job, the [Job Information] window will open and you can verify information for that job as well as change the number of prints to be made and which pages will be printed.

## 2-3-2 Device Icon

The [Device] screen displays the status of the copier-printer and allows you to make settings related to options.

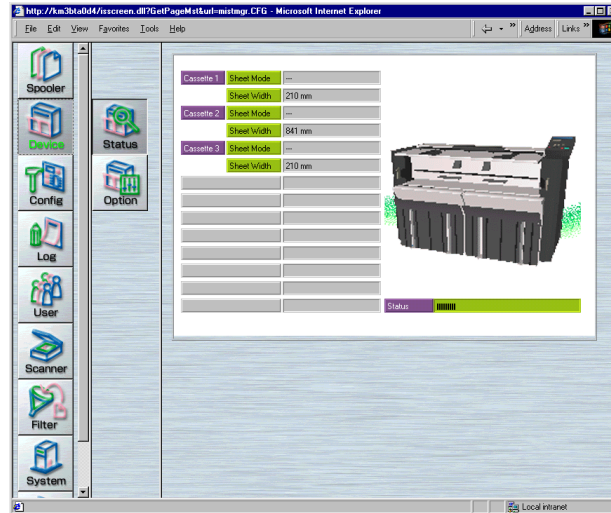
There are two sub-screens under the [Device] menu: the [Status] screen and the [Option] screen.

[Status] screen: Allows you to verify the status of the copier-printer in graphical and text messages.

[Option] screen: Allows you to make settings such as adjusting the 1:1 magnification ratio, and changing the paper feed setting and the number of retries if an error occurs.

## [Status] screen

The [Status] screen displays the status of the copier-printer in graphical and text messages.



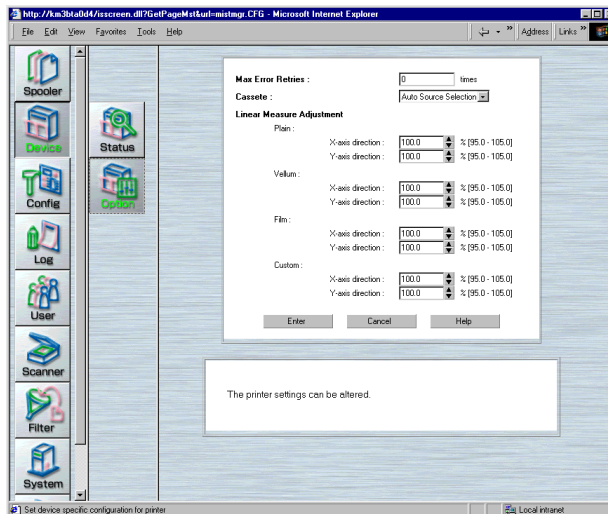
[Cassette 1], [Cassette 2] and [Cassette 3] settings: Displays the paper mode and paper width designated for each drawer.

\* [Cassette 1] (drawer 1) is an optional accessory.

[Status] area: Displays the status of the copier-printer in graphical and text messages. For information in regard to the appropriate procedure if an error occurs, refer to the Help Icon.

### [Option] screen

The [Option] screen allows you to make option-related settings. Be sure to click on the [Enter] button if you change any settings.



[Max Error Retries] field: Set the number of times the copier-printer will attempt to reprint after an error. Setting is possible between 1 and 9999 times.

#### NOTE

The [Max Error Retries] field sets the number of times the copier-printer will attempt to reprint after a recoverable error occurs, such as when paper runs out or jams, toner runs out or a cover is left open. The factory default setting for this is zero, and the copier-printer will attempt to reprint indefinitely until successful. (If a hardware problem occurs, the copier-printer will not attempt to reprint.)

[Cassette] field: Selection is possible between "Auto Source Selection", "Cassette 1" (option), "Cassette 2", "Cassette 3" and "Bypass Tray".

[Linear Measure Adjustment] settings: Adjust the 1:1 magnification ratio for each type of paper.

---

**NOTE**

The [Linear Measure Adjustment] settings will be invalid whenever you print with the [Auto Rotate] function.

---

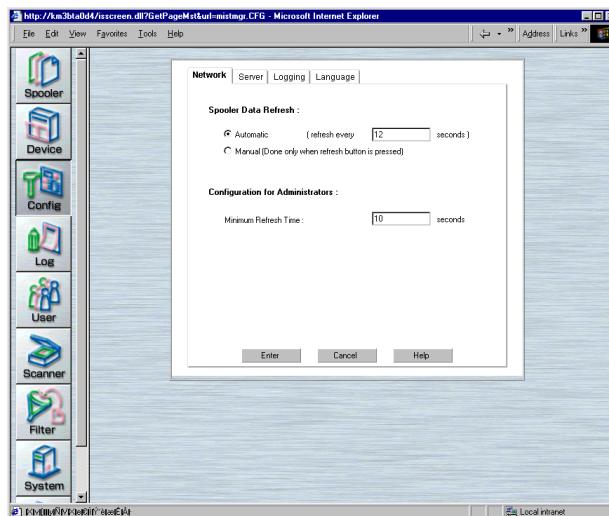
### 2-3-3 Config Icon

The [Config] screen allows you to change spooling settings.

The [Config] screen contains 4 tabs: [Network], [Server], [Logging] and [Language].

#### [Network] Tab

Sets the refresh rate for spooling information.



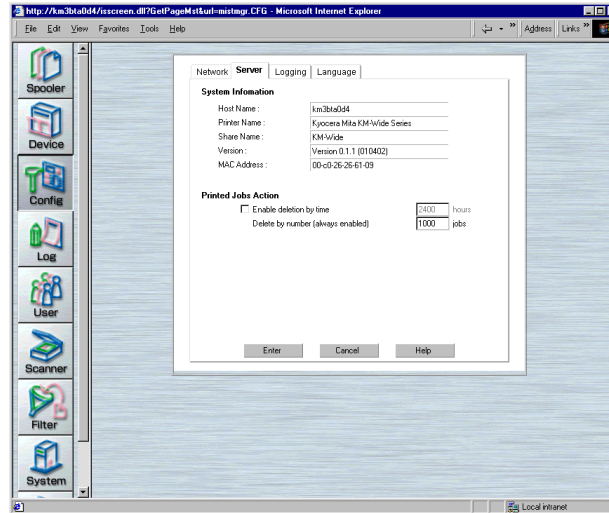
[Spooler Data Refresh] settings: Select between "Automatic" (0 - 999 seconds) and "Manual" refresh.

[Configuration for Administrators] setting: Select a refresh rate between 10 and 999 seconds.

(This setting can only be changed by someone who logs in as the Administrator.)

## [Server] Tab

Shows system information for the print server and determines how data for finished jobs will be handled.



## [Printed Jobs Action]

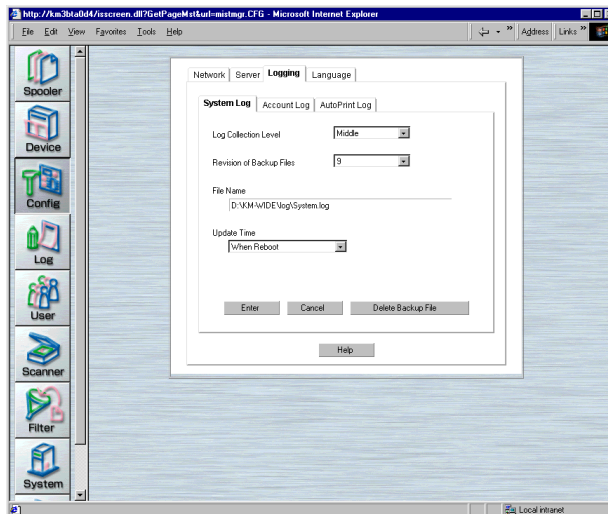
The following 2 settings determine the condition for deleting finished print jobs:

[Enable deletion by time] checkbox and field: Put a check mark in this checkbox and set the time for jobs to be deleted between 1 and 99999 hours.

[Delete by number (always enabled)] field: Select between 1 and 100 jobs. The value entered here will refer to the total number of jobs under the [Printed], [Waiting], [Pause] and [Error] status in the Job List.

## [Logging] Tab

The System Log, Account Log and AutoPrint Log settings can be changed in their corresponding tabs.



## NOTE

If you increase the collection level in any of the log files, the size of the corresponding file will increase.

## [System Log] Tab

Set the collection level and the number of back-up revisions that will be saved for the System Log.

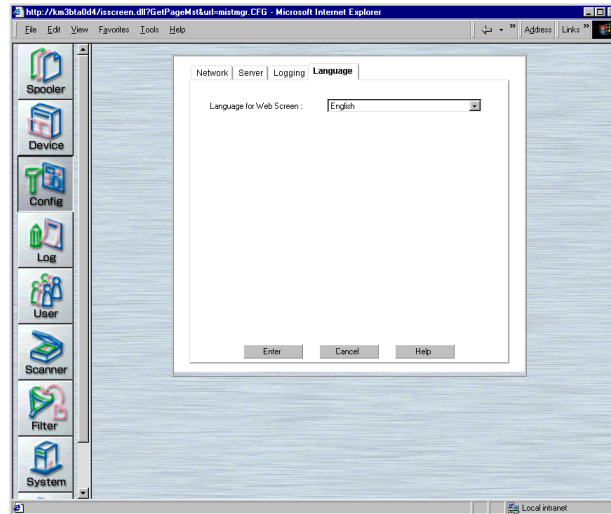
## [Account Log] Tab

Displays the time frames for which information is registered in the Account Log and the volume of the file itself. It is also possible to delete the contents of the Account Log.

## [AutoPrint Log] Tab

Set the collection level and the number of back-up revisions that will be saved for the AutoPrint Log.

## [Language] Tab

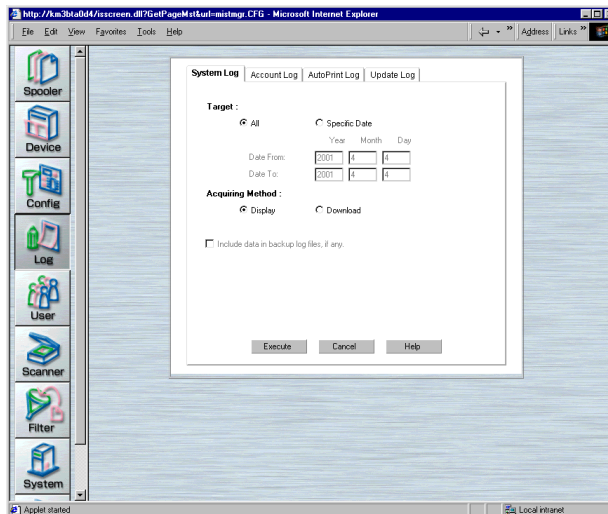


[Language for Web Screen] field: Selects the language that will be used in the Web Manager interface.

### 2-3-4 Log Icon

The [Log] screen collects log information.

The [Log] screen contains 4 tabs: [System Log], [Account Log], [AutoPrint Log] and [Update Log] and information can be collected about each corresponding log.



#### [System Log] Tab

The System Log can be displayed or downloaded. The System Log contains important information about the operation of the copier-printer and which is useful in case of machine trouble.

### [Account Log] Tab

All of the information in the Account Log, or just that for a specific user or group, can be displayed or downloaded. It is also possible to select the time frame for which that data will be displayed.

### [AutoPrint Log] Tab

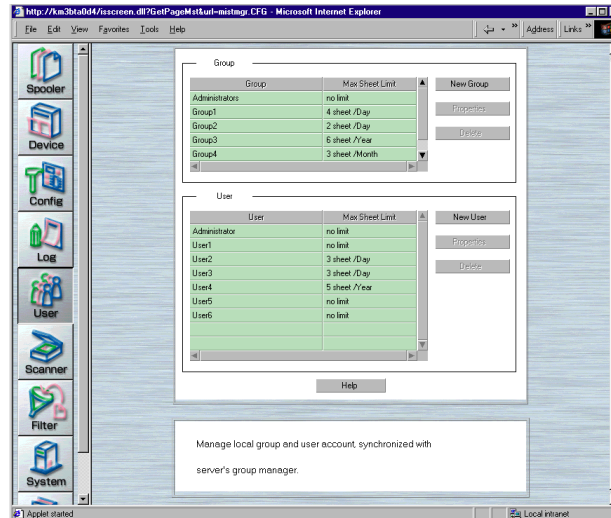
The AutoPrint Log, which shows the printing results when the [Auto Print] function is used as well as printing errors, can be displayed or downloaded. It is also possible to select the time frame for which that data will be displayed.

### [Update Log] Tab

The Update Log, which shows information regarding the installation of additional modules or module updates, can be displayed or downloaded.

### 2-3-5 User Icon

The [User] screen allows you to manage individual or group use.



#### ● Group

[Group] column: Displays a list of the currently registered groups.

[New Group] button: Click on this button when you want to access the [Group Management] dialog box in which you can create new groups.

[Properties] button: Click on this button when you want to access the [Group Management] dialog box that corresponds to the selected group.

[Delete] button: Click on this button when you want to delete the selected group from the group list.

## ● User

[User] column: Displays a list of the currently registered users.

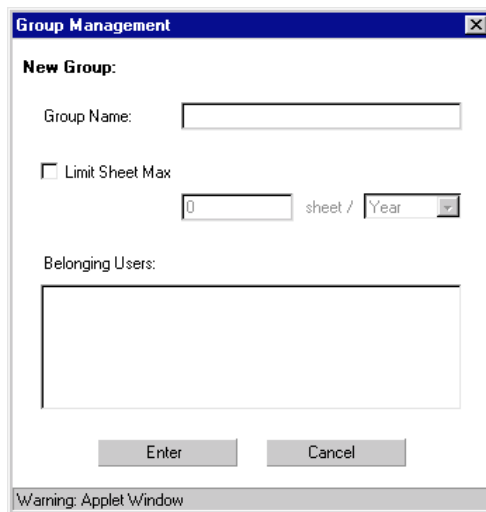
[New User] button: Click on this button when you want to access the [User Management] dialog box in which you can register new users.

[Properties] button: Click on this button when you want to access the [User Management] dialog box that corresponds to the selected user.

[Delete] button: Click on this button when you want to delete the selected user from the user list.

### ● Creating a New Group

- 1 Click on the [New Group] button and the [Group Management] dialog box will open.
- 2 Register the desired information and settings.



The image shows a 'Group Management' dialog box with a blue title bar. Inside, the 'New Group:' section contains a 'Group Name:' label followed by a text input field. Below this is a checkbox labeled 'Limit Sheet Max'. If checked, it would be followed by a numeric input field (currently showing '0'), the text 'sheet /', and a year selection dropdown (currently showing 'Year'). Below these fields is a 'Belonging Users:' label followed by a large, empty rectangular list area. At the bottom of the dialog are two buttons: 'Enter' and 'Cancel'. A status bar at the very bottom reads 'Warning: Applet Window'.

[Group Name] field: Enter up to 20 characters for the Group Name.

[Limit Sheet Max] checkbox and fields: Limits the number of prints that group can make during the designated period.

[Belonging Users] list: Lists the users that belong to this group. To add or delete users from the group, access that user's Properties (privileges) setting, and add or delete, as appropriate, access for that user to this group.

- 3 Click on the [Enter] button.

## ● Registering a New User

- 1 Click on the [New User] button and the [User Management] dialog box will open.
- 2 Register the desired information and settings.

The image shows a 'User Management' dialog box with a blue title bar. Inside, there's a 'New User:' section with three text input fields: 'User Name:', 'Password:', and 'Confirm Password:'. Below these is a checkbox labeled 'Limit Max Sheet' followed by a numeric input field (containing '0') and a dropdown menu (showing 'sheet / Year'). Under the 'Group:' label, there are two list boxes: 'Owner Groups' (empty) and 'Not Owner Groups' (containing 'Administrators', 'user4', 'user2', 'user6', 'user3'). Between the lists are '<-Add' and 'Delete->' buttons. At the bottom are 'Enter' and 'Cancel' buttons. A warning bar at the very bottom reads 'Warning: Applet Window'.

[User Name] field: Enter up to 20 characters for the User Name.

[Password] field: Enter up to 14 characters for the password. (This field can be left blank.)

[Confirm Password] field: For verification purposes, enter exactly the same password as you did in the [Password] field.

[Limit Max Sheet] checkbox and fields: Limits the number of prints that user can make during the designated period.

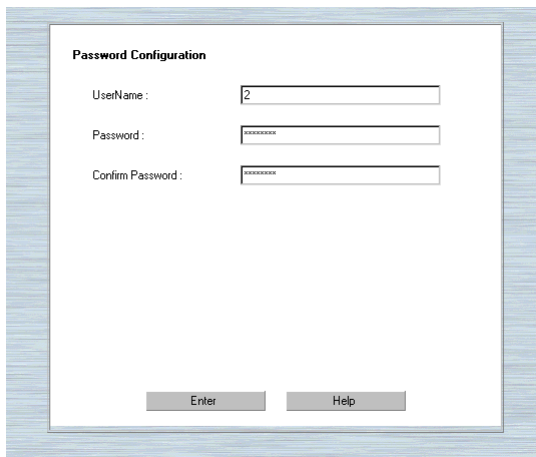
[Group] lists: To add this user to a group, select an existing group from the list at right and then click on the [<- Add] button. To delete this user from a group, select the group that they already belong to from the list at left and then click on the [Delete ->] button.

- \* If you add a user to the "Administrators" group, that user will be able to log in with administrator privileges.

3 Click on the [Enter] button.

### 2-3-6 Password Icon

The [Password] screen allows you to set the password for the user account currently being accessed.

A screenshot of a 'Password Configuration' window. The window has a light blue border and a white background. At the top, the title 'Password Configuration' is displayed. Below the title, there are three input fields: 'UserName :', 'Password:', and 'Confirm Password :'. The 'UserName' field contains the number '2'. The 'Password' and 'Confirm Password' fields are filled with a series of asterisks. At the bottom of the window, there are two buttons: 'Enter' and 'Help'.

- 1 Enter the new password in the [Password] field. (Up to 14 characters can be used for the password.)
- 2 Enter exactly the same password as you did in the [Password] field into the [Confirm Password] field.
- 3 Click on the [Enter] button.

## 2-3-7 Scanner Icon

The [Scanner] screen allows you to perform WebScan and PCScan procedures from your Internet Web browser.

There are three sub-screens under the [Scanner] menu: the [Web Scan] screen, the [Scan File] and the [Scan to PC] screen.

[Web Scan] screen: Allows you to send scan commands from your Internet Web browser. (WebScan)

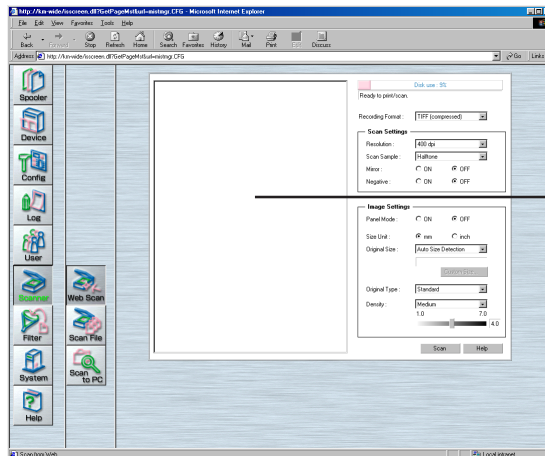
[Scan File] screen: Lists, or shows thumbnails, of images that were scanned using the WebScan function.

You can also download the images to your computer from this screen.

[Scan to PC] screen: Allows you to make settings for the PCScan function using the Scanner File Utility.

- [Web Scan] screen

The [Web Scan] screen allows you to send scan commands from your Internet Web browser. (WebScan)



Workspace

## NOTE

The available image transmission sizes and other available setting items will depend upon the settings made for the resolution and grayscale quality. For more information, refer to "5-5 Scanning Functions Combination Charts" on page 2-40.

The "Workspace": Displays the scanned image.

[Recording Format] field: Select between "TIFF (compressed)", "TIFF", "JPEG" and "BMP".

[Resolution] field: Select between "2400 dpi", "1200 dpi", "600 dpi", "400 dpi", "300 dpi" and "200 dpi".

[Scan Sample] field: Select between "Monochrome", "Halftone", "Grayscale (STD)" and "Grayscale (HQ)".

- [Mirror] radio buttons: Select the "ON" radio button when you want to take a mirror-image scan of your document (left and right sides are reversed).
- [Negative] radio buttons: Select the "ON" radio button when you want to take a negative scan (blacks and whites are reversed).
- [Panel Mode] radio buttons: Select the "ON" radio button when you want to select the Panel Operation mode (operation is performed at the copier-scanner's operation panel). In this case, any settings made for the [Original Size], [Original Type] and [Density] in this screen will be invalid.
- [Original Size] field: Select the size of the document to be scanned. Selection is possible between "Automatic", "Standard Size" (Refer to "● Standard Sizes Available for Selection under [Original Size]"), "U1" through "U6" and "Custom". "U1" through "U6" will display custom sizes that you have registered previously. Registration of these custom sizes "U1" through "U6" is accomplished by selecting [Custom] first, clicking on the [Custom Size...] button and then performing the appropriate operation in the [Custom Size Configuration] dialog box.

## ● Standard Sizes Available for Selection under [Original Size]

Inch specifications: 34" x 44"R, 34" x 44"E, 22" x 34"R, 22" x 34"E, 17" x 22"R, 17" x 22"E, 11" x 17"R, 11" x 17"E, 8.5" x 11"R, 36" x 48"R, 36" x 48"E, 24" x 36"R, 24" x 36"E, 18" x 24"R, 18" x 24"E, 12" x 18"R, 12" x 8"E and 9" x 12"

Metric specifications: A0 Portrait, A1 Portrait, A1 Landscape, A2 Portrait, A2 Landscape, A3 Portrait, A3 Landscape, A4 Portrait, B1 Portrait, B2 Portrait, B3 Portrait, B3 Landscape, B4 Portrait and B4 Landscape

[Original Type] field: Select between "Standard" and "Text/Line".

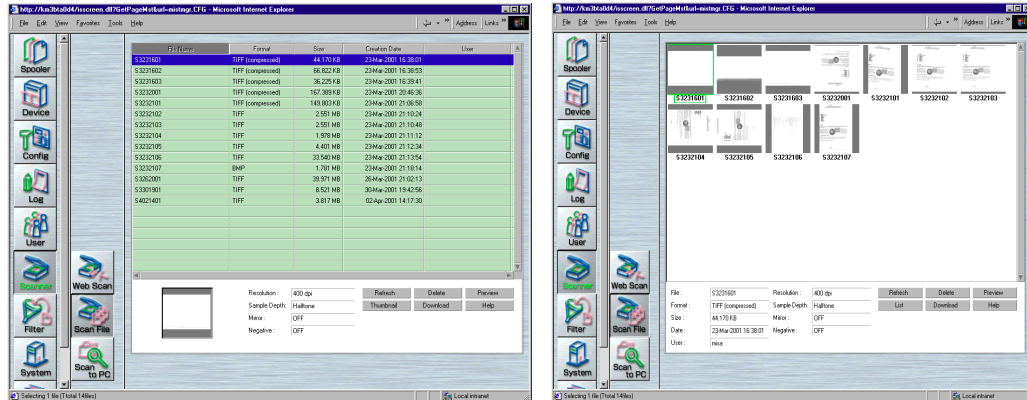
[Density] field and scale: Adjusts the level of contrast. The available selections will differ depending upon the setting made under [Original Type].

- If [Standard] is selected as the [Original Type]...  
The density can be adjusted to any 0.5 increment between 1 and 7, in any one of three settings: "Light", "Medium" or "High". It is also possible to select "Automatic Density Detection" and have the density automatically adjusted according to the document itself.
- If [Text/Line] is selected as the [Original Type]...  
The density can be adjusted to any 0.5 increment between 1 and 7.

[Scan] button: Click on this button when you want to send the scan command and initiate the scanning operation.

## [Scan File] screen

The [Scan File] screen lists, or shows thumbnails, of images that were scanned using the WebScan function. You can also download the images to your computer from this screen.



[Refresh] button: Click on this button when you want to display the most recent information.

[Delete] button: Click on this button when you want to delete the selected image.

[Preview] button: Click on this button when you want to preview the selected image.

[Thumbnail] button: Click on this button when you want to switch to the thumbnail display.

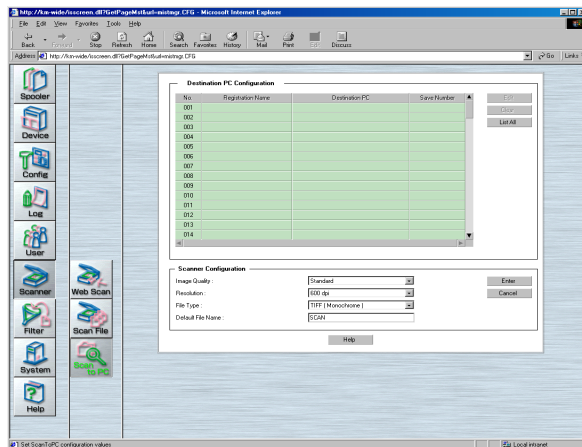
[List] button: Click on this button when you want to switch to the list display.

[Download] button: Click on this button when you want to download the selected image.

## [Scan to PC] screen

The [Scan to PC] screen allows you to make settings for the PCScan function using the Scanner File Utility. Setting that can be made include information about the destination folder (for saving scanned data) that was registered both in the destination computer and in the Scanner File Utility. However, registration of the destination folder must be made first in the Scanner File Utility. (Refer to Page 2-29.)

\* Refer as well to the <Set-up Edition> of this Operation Guide for more information on PCScan.



[Destination PC Configuration] list: Displays the registered destination computer and folder information. Up to 100 destinations (001 - 100) can be registered. It is possible to designate specific folders in each computer to receive the scanned data.

[Edit] button: Select an unregistered destination number and then click on this button when you want to register a new destination. The [Destination Configuration] dialog box will open. If you select a destination number that already contains destination information, when you click on this button that information will be displayed and can be edited.

[Clear] button: Click on this button when you want to delete the selected destination.

[List All] button: Click on this button when you want to list all destinations. Use this button when you want to use the print function of your Internet Web browser to print out a list of the registered destinations.

## ● Scanner Configuration settings

It is possible to set the default settings for scanning under PCScan.

---

### NOTES

- Anytime you change the current default settings, be sure to click on the [Enter] button to register those changes.
  - The available image transmission sizes and other available setting items will depend upon the settings made for the resolution and file format. For more information, refer to "5-5 Scanning Functions Combination Charts" on page 2-40.
- 

[Image Quality] field: Select between "Standard" and "Text/Line".

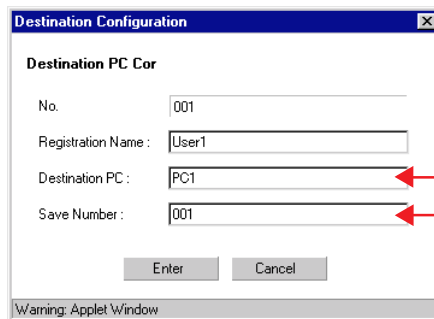
[Resolution] field: Select between "2400 dpi", "1200 dpi", "600 dpi", "400 dpi", "300 dpi" and "200 dpi".

[File Type] field: Select between "TIFF (Monochrome)", "TIFF (Monochrome [Halftone])", "JPEG (Grayscale [STD])" and "JPEG (Grayscale [HQ])".

[Default File Name] field: You can register characters that you want to use in each file name. (Up to 16 characters can be registered.)

## ● Registering a Destination Computer

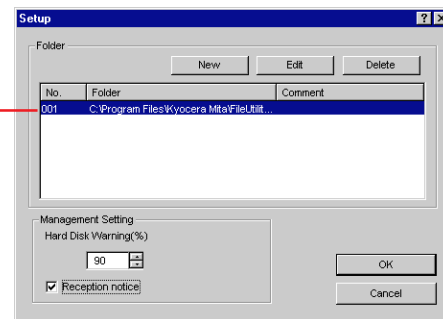
- 1 Select an unregistered destination number in the [Destination PC Configuration] list and then click on the [Edit] button. The [Destination Configuration] dialog box will open.
- 2 Register the desired information.



The 'Destination Configuration' dialog box contains the following fields and buttons:

- Destination PC Cor** (Section Header)
- No.**: Text field containing '001'.
- Registration Name**: Text field containing 'User1'.
- Destination PC**: Text field containing 'PC1'.
- Save Number**: Text field containing '001'.
- Buttons**: 'Enter' and 'Cancel' buttons.
- Warning**: 'Warning: Applet Window' at the bottom.

Host name of the destination computer



The 'Setup' dialog box contains the following elements:

- Folder** section with 'New', 'Edit', and 'Delete' buttons.
- Table** with columns 'No.', 'Folder', and 'Comment':
 

| No. | Folder                                | Comment |
|-----|---------------------------------------|---------|
| 001 | C:\Program Files\Kyocera Mita\File... |         |
- Management Setting** section:
  - Hard Disk Warning(%)**: Spin box set to '90'.
  - ☒ **Reception notice**.
- Buttons**: 'OK' and 'Cancel' buttons.

[Setup] dialog box in the Scanner File Utility

[No.] field: The destination number that you selected in the [Destination PC Configuration] list will be displayed here. As this is only to show you which destination number you are registered or editing, it can not be changed here.

[Registration Name] field: Enter the name you want to designate for the destination here. This name will be displayed in the [Destination PC Configuration] list as well as on the copier-scanner's operation panel.

- \* The registration name can be up to 16 characters in length.

[Destination PC] field: Enter the IP address or the Host Name of the destination computer. (If you enter BOTH, the IP address will take priority.)

\* The host name can be up to 16 characters in length.

[Save Number] field: Enter the "folder number" of a folder designated in that computer for saving scanned data, as it is registered in the Scanner File Utility.

3 Click on the [Enter] button.

## ● Using the WebScan function

- 1 Access the [Scanner] screen in the Web Manager interface.
- 2 Perform the [Recording Format] setting as well as the scan- and image-related settings and then click on the [Scan] button.
- 3 Confirm that "Ready to scan." is shown in the copier-scanner's message display and set the document that you want to scan. Scanning will begin automatically and, once scanning is complete, the scanned image will appear in the "Workspace" area.
- 4 Access the [Scan File] screen.
- 5 Select the corresponding data and click on the [Download] button.

---

### NOTE

If the file format for saving data is set to "JPEG", instead of clicking on the [Download] button, right-click on the desired data and select "Save Picture As...".

---

- 6 Select the destination and enter the desired file name, and then click on the [Save] button.

---

## NOTES

If you are unable to scan, check the status of the copier-scanner.

One of the following conditions may be rendering scanning impossible:

- The power is not ON to the copier-scanner.
  - The network cable is not connected properly.
  - The copier-scanner is off-line. (The On-Line indicator is out.)
  - The server computer in the copier-scanner is still starting up. (The On-line indicator is flashing.)
  - A copy operation is on-going.
  - A copy operation has just been completed and the Auto Clear function has not yet engaged to clear the copy settings.
  - A printing or scanning operation is being carried out from another computer.
-

## 2-3-8 Filter Icon

The [Filter] screen allows you to make filter-related settings when using the [Auto Print] function. (Settings are only accessible to the Administrator.)

### Outline of the Filter function

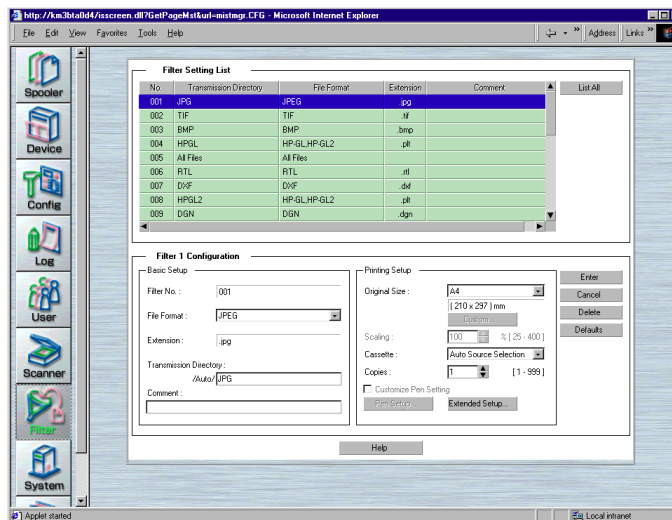
The Filter function in the CAD Master Controller is used to take standard image formats used in today's computers, as well as HP-GL/2 formatted plotter command files which are often used in CAD applications, and convert them into file formats that can be printed. When used in combination with the [Auto Print] function, it is possible to have files which are supported by the Filter function printed out automatically.

There are 24 FTP Virtual Directories in the CAD Master Controller for receiving data. By transmitting an image file or an HP-GL/2 to one of these directories, the corresponding file format filter will translate that file and it will be printed out automatically.

It is possible to register a desired file format, paper size and other print-related settings in each FTP Virtual Directory.

The following file formats are supported by the Filter function:

HP-GL, HP-GL2, HP-RTL, Calcomp906/PCI, Calcomp907/PCI, CALS\_G4 (TIFF6.0), DXF (AutoCAD standard, some settings restricted), TIFF, JPEG, BMP, DGN (option) and CGM (option)



## NOTE

Anytime you change the current default settings, be sure to click on the [Enter] button to register those changes.

[Filter Setting List]: Displays the 24 FTP Virtual Directories in order as "Filter 001" through "Filter 024".

If you want to change the registered settings for any filter, first select that filter in this list.

[Filter Format] field: Sets the file format for that filter.

[Extension] field: Displays the available extensions (conversion filters) for the file format that was set in the [Filter Format] field.

[Transmission Directory] field: Enter the name that you want to give to that FTP Virtual Directory.

[Comment] field: Enter any comments that you want for the corresponding filter.

[List All] button: Click on this button when you want to list all filters. Use this button when you want to use the print function of your Internet Web browser to print out a list of the registered filters.

[Original Size] field: Select between "Original Size", "Standard Size" (Refer to "● Standard Sizes Available for Selection under [Original Size]") and "Custom".

## ● Standard Sizes Available for Selection under [Original Size]

Inch specifications: 8.5" x 11", 11" x 17", 17" x 22", 22" x 34", 34" x 44", 9" x 12", 12" x 18" and 18" x 24"

Metric specifications: A0, A1, A2, A3, A4, JIS-B1, JIS-B2, JIS-B3 and JIS-B4

[Custom...] button: First select "Custom Size" in the [Original Size] field and then click on this button when you want to register a custom size of paper. The [Custom Size Configuration] dialog box will open.

[Scaling] field: Displays the selected magnification ratio. Selection is possible to any 1% increment between 25% and 400%.

---

### NOTE

Whenever you change the magnification ratio, be sure to select "Original Size" in the [Original Size] field.

---

[Cassette] field: Select between "Auto Source Selection", "Cassette 1", "Cassette 2", "Cassette 3" and "Bypass Tray".

[Copies] field: Select any number between 1 and 999.

[Pen Setup...] button: First put a check mark in the [Customize Pen Setting] checkbox and then click on this button when you want to access the [Pen Setting Configuration] dialog box in order to perform pen-related settings. For more information, refer to the Help Icon.

[Extended Setup...] button: Click on this button when you want to access the [Extended Setting] dialog box and perform setting related to extensions.

---

### ● [Extended Setting] Dialog Box

This dialog box opens when you click on the [Extended Setup...] button in the [Filter] screen. It allows you to make settings related to adding margins (white space) as well as those related to inverted printing.

[Media] field: Select between "Plain", "Vellum", "Film", "Custom" and "Printer Default".

[Edge Adjustment] settings: Determine the amount of margin space that will be added to the leading and trailing edge of the paper.

---

#### NOTE

If you enter values here, the length of the printed paper will be increased by the total length of the margin spaces selected.

---

[Negative] checkbox: Put a check mark in this checkbox when you want to make a negative print (such as with negative film where blacks and whites are inverted.)

---

**NOTE**

Normally, the area of a printed page that remains white is greater than that which is actually printed on. Thus, you should understand that when you select [Negative] for any document other than an actual negative graphic, the areas that are normally white will be printed as black and toner usage will be increased.

---

[Mirror Image] checkbox: Put a check mark in this checkbox when you want to make a mirror print where left and right are inverted.

[Whole] radio buttons: Select whether or not you want to add a margin space to the leading and trailing edge of the paper.

---

**NOTE**

If you turn the [Whole] setting "On", the length of the printed paper will be increased by the total length of the margin spaces entered for the [Edge Adjustment] settings.

---

[Auto Rotation] radio buttons: Select whether or not you want to have the printed image automatically rotated, as necessary, to fit onto the orientation of the presently set paper.

---

**NOTE**

If you want to use the [Linear Measure Adjustment] settings, turn [Auto Rotate] "OFF".  
[Linear Measure Adjustment] can be set using the Web Manager interface.

---

[Image Placement] radio buttons: Select the basic location of the printed image on the paper. If you select "Origin", the location of the image will be based on its relation to the lower left corner of the paper. If you select "Center" the image will be centered on the paper.

---

**NOTE**

This setting is only applicable to HP-GL, HP-GL/2 and HP-RLT file formats. When printing other file formats, even if you select "Origin", the printed image will be centered on the paper.

---

[Unit] radio buttons: Select the desired unit of measure, either "mm" or "inch".

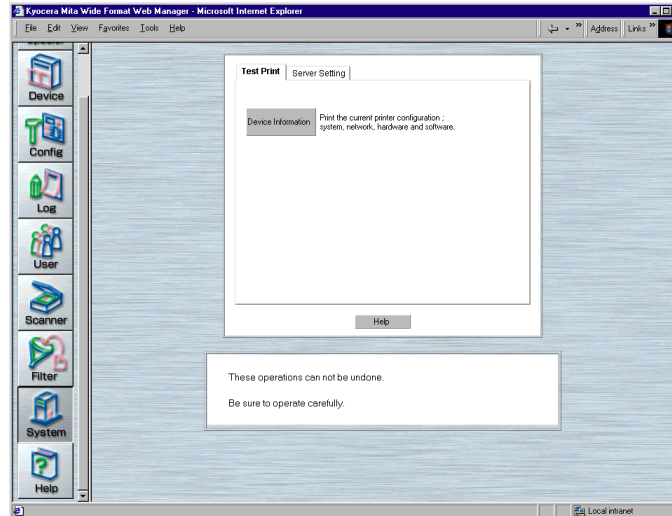
---

## 2-3-9 System Icon

The [System] screen allows you to perform system-related settings.

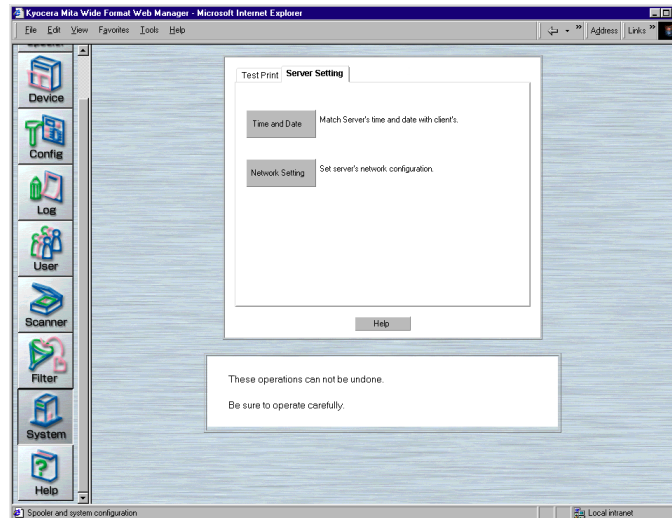
The [System] screen contains 2 tabs: [Test Print] and [Server Setting].

### [Test Print] Tab



[Device Information] button: Click on this button when you want to print out current settings information.

## [Server Setting] Tab



[Time and Date] button: Click on this button when you want to synchronize the time and date in both the server computer in the CAD Master Controller and your computer. Make sure that the time and date setting in your computer is correct.

## [Network Setting] button

Click on this button when you want to change network settings.

Anytime you change the current default settings, be sure to click on the [Enter] button to register those changes.

[Identification] settings: Enter the desired name for the copier with CAD Master Controller installed under the [Computer Name] field. In order to avoid possible problems, be sure to use a name other than one already registered to another device on the same network.

## NOTES

Be sure to register the same name under both the [Computer Name] field and the [Host Name] field (under the [DNS] settings).

[IP Address] settings: Select one of the 2 methods below for designating the IP address for the copier with CAD Master Controller installed.

1 [Obtain IP address from a DHCP server]

2 [Specify an IP address]

If you select [Specify an IP address], enter the [IP Address], [Subnet Mask] and [Default Gateway] information appropriate to your network environment. These settings can also be performed at the copier's operation panel.

[DNS] settings: Enter the appropriate information in the [Host Name], [Domain] and [DNS Service Search Order] fields.

---

**NOTE**

It is possible to access the Web Manager interface using the Host Name that is registered under this setting.

(Address: <http://<the registered Host Name>/>)

---

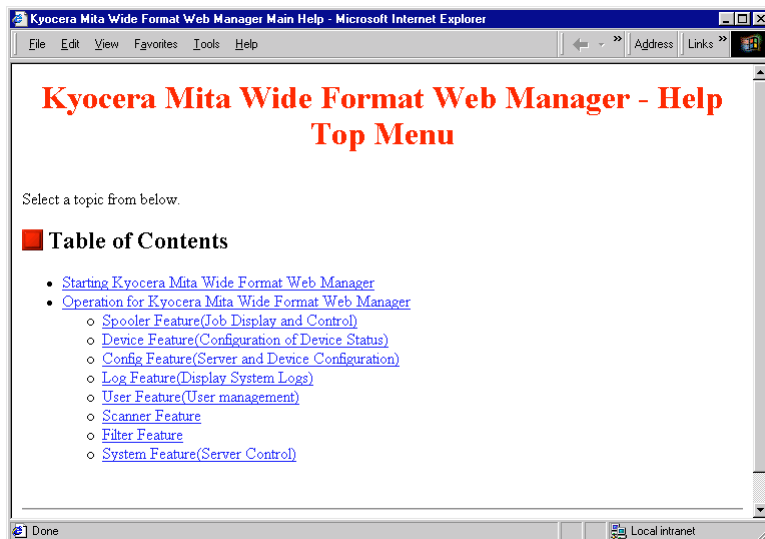
Enter the [WINS Address] and [AppleTalk] information as appropriate to your network environment.

For more information regarding these items, refer to the Help Icon.

### 2-3-10 Help Icon

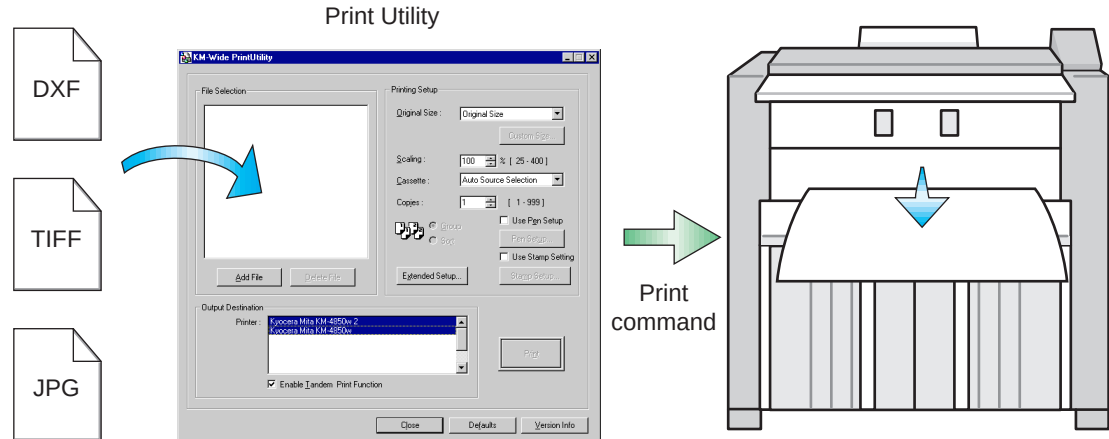
The [Help] screen displays the On-Line Help for the Web manager interface.

Refer to this screen when you have questions about operation procedures or settings.



## 3-1 What is the Print Utility?

The Print Utility allows you to select a file and print it without the need to open it in the application that created it.



## ● Convenient when...

- You want to print a completed data file → Since you only need to select the file, the time it normally takes to open it in an application is eliminated.
- You want to print multiple files → Up to 30 separate files can be selected for printing at one time. This can save you a great amount of time.
- You want to print multiple sets fast → The Tandem Print Function enables simultaneous printing using two copier-printers that are connected together. This greatly reduces printing time.

## ● Compatible file formats

HP-GL, HP-GL2, HP-RTL, Calcomp906/PCI, Calcomp907/PCI, CALS\_G4 (TIFF6.0), DXF (AutoCAD standard, some settings restricted), TIFF, JPEG, BMP, DGN (option) and CGM (option)

# ● Operating Environment

|                         |                      |                                 |            |                |                                                         |                    |
|-------------------------|----------------------|---------------------------------|------------|----------------|---------------------------------------------------------|--------------------|
|                         |                      | IBM PC-AT or compatible         |            |                |                                                         |                    |
| OS                      |                      | Windows 95 (OSR2)               | Windows 98 | Windows Me     | Windows NT 4.0 (with Service Pack 5 or later installed) | Windows 2000       |
| Recommended environment | CPU                  | 200 MHz Pentium or faster       |            |                |                                                         | 300 MHz Pentium II |
|                         | RAM                  | 64 MB or more                   |            | 128 MB or more |                                                         |                    |
|                         | Free hard disk space | 100 MB                          |            |                |                                                         |                    |
| CD-ROM drive            |                      | One drive                       |            |                |                                                         |                    |
| Printer Port            |                      | One 100BASE-TX or 10BASE-T port |            |                |                                                         |                    |

### 3-2 Installing the Print Utility

- 1 Run Windows. Quit all other applications that may be open.
- 2 Insert the CD-ROM that is included with the CAD Master Controller into the CD-ROM drive of your computer.
- 3 Click on [Wide Format] under [Main Menu] on the left side of the screen.  
If this screen doesn't appear after you insert the CD-ROM, open the CD-ROM window to access its contents and double-click on the [setup.exe] file.



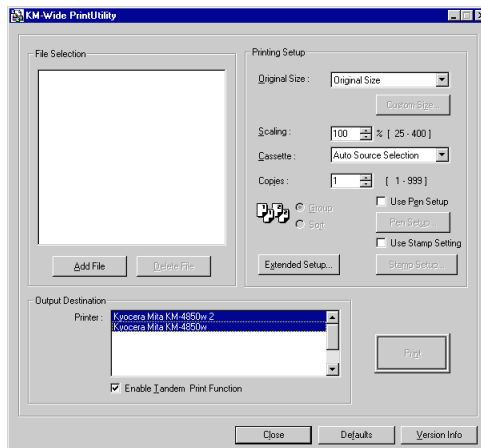
- 4 Click on [KM-4850w] and then on [Print Utility] in the subsequent window.



- 5 The Setup wizard will open. Continue the installation procedure by following each of the steps described on-screen.

### 3-3 Basic Printing Procedure

- 1 Run the Print Utility. Select [KM-Wide PrintUtility] under the [Start] menu on the Task Bar and the [PrintUtility] window will open.



---

#### NOTE

If you do not change the link folder for the program icon, a [Start] > [Program] > [Kyocera Mita] > [KM-Wide PrintUtility] shortcut will be registered during installation.

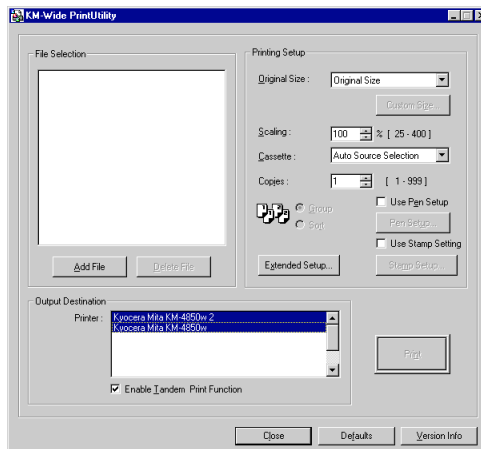
---

- 2 Drag and drop the file that you want to print onto the [PrintUtility] window.
- 3 Confirm the copier-printer that you want to use and perform any other print settings, as required.
- 4 Click on [Print]. Printing will begin.

### 3-4 Making Print Settings (Print Utility Window)

#### ● Main window

This window is displayed first when you run the Print Utility. You can print out files by simply dragging and dropping their icon into this window.



[File Selection] area: Lists the files selected for printing.

[Add File] button: Click on this button when you want to add another file to the list of files to be printed.  
The [File Selection] dialog box will open.

[Delete File] button: Click on this button when you want to delete a file from the list of files to be printed.

[Output Destination] list: Select from this list the copier with the CAD Master Controller installed.

#### NOTE

If you want to change printers, click on the name of the previously selected printer (it should be highlighted) in order to de-select it, and then click on the name of the printer that you do want to use in order to select that printer.

[Enable Tandem Print Function] checkbox: Put a check mark in this checkbox when you want to select the Tandem Print Function and simultaneously print out using two copier-printers (the KM-4850w, KM-P4850w or KM-P4849w models) that are connected together. If you select this option, be sure to select 2 copier-printers in the [Output Destination] area.

EXAMPLE: When printing two sets of a 3-page document...

If the [Sort] copying option is selected:

1st copier-printer...Page 1, page 2, page 3

2nd copier-printer...Page 1, page 2, page 3

If the [Group] copying option is selected:

1st copier-printer...Page 1, page 1, page 3, page 3

2nd copier-printer...Page 2, page 2

[Original Size] field: Select the size of the document to be scanned. Selection is possible between "Original Size", "Standard Size" (Refer to "● Standard Sizes Available for Selection under [Original Size]") and "Custom".

## ● Standard Sizes Available for Selection under [Original Size]

Inch specifications: 8.5" x 11", 11" x 17", 17" x 22", 22" x 34", 34" x 44", 9" x 12", 12" x 18", 18" x 24" and 24" x 36"

Metric specifications: A0, A1, A2, A3, A4, B1, B2, B3 and B4

[Custom Size...] button: First select "Custom" in the [Original Size] field and then click on this button when you want to register a custom size of paper. The [Custom Size Setup] dialog box will open.

[Scaling] field: Displays the selected magnification ratio. Selection is possible to any 1% increment between 25% and 400%.

---

### NOTE

Whenever you change the magnification ratio, be sure to select "Original Size" in the [Original Size] field.

---

[Cassette] field: Displays the presently selected location from which paper will be fed. Selection is possible between "Auto Source Selection", "Cassette 1" (option), "Cassette 2", "Cassette 3" and "Bypass Tray".

- \* "Cassette 1" will only be available when the [Optional Cassette] checkbox is checked in the [Extended Setup] dialog box.

[Copies] field: Displays the selected number of copies to be made. Selection is possible to any number between 1 and 999.

[Group] and [Sort] radio buttons: Select the corresponding radio button in order to indicate the order that multiple sets of multiple page documents will be printed out.

EXAMPLE: When printing two sets of a 3-page document...

If the [Group] radio button is selected:

The printing order will be: page 1, page 1, page 2, page 2, page 3 and then page 3

If the [Sort] radio button is selected:

The printing order will be: page 1, page 2, page 3, page 1, page 2 and then page 3

[Print] button: Click on this button when you want to start printing.

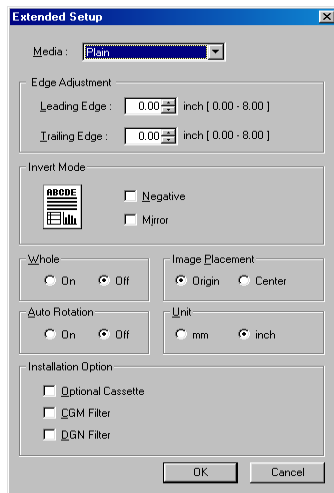
[Extended Setup...] button: Click on this button when you want to access the [Extended Setup] dialog box. For more detailed information, refer to "[Extended Setup] Dialog Box" on page 4-58.

[Pen Setup...] button: First put a check mark in the [Use Pen Setup] checkbox and then click on this button when you want to access the [Custom Pen Setup] dialog box in order to perform pen-related settings.

[Stamp Setup...] button: First put a check mark in the [Use Stamp Setup] checkbox and then click on this button when you want to access the [Stamp Setting] dialog box in order to perform stamp-related settings. For more detailed information, refer to "[Stamp Setting] Dialog Box" on page 4-61.

### ● [Extended Setup] Dialog Box

This dialog box opens when you click on the [Extended Setup...] button in the main window of the Print Utility. It allows you to make settings related to adding margins (white space) as well as those related to optional drawers.



[Media] field: Selection of the desired paper type is possible from among "Plain", "Vellum", "Film", "Custom" and "Printer Default".

### NOTES

- Be sure to turn the [Paper working] setting "ON" in your copier. For more information, refer to the Operation Guide for the copier.
- If you have already designated a location for paper feed, the setting made here will not be used and paper will be fed from the designated location regardless of the paper type loaded in that drawer.

[Edge Adjustment] settings: Determine the amount of margin space that will be added to the leading and trailing edge of the paper.

---

**NOTE**

If you enter values here, the length of the printed paper will be increased by the total length of the margin spaces selected.

---

[Negative] checkbox: Put a check mark in this checkbox when you want to make a negative print (such as with negative film where blacks and whites are inverted.)

---

**NOTE**

Normally, the area of a printed page that remains white is greater than that which is actually printed on. Thus, you should understand that when you select [Negative] for any document other than an actual negative graphic, the areas that are normally white will be printed as black and toner usage will be increased.

---

[Mirror] checkbox: Put a check mark in this checkbox when you want to make a mirror print where left and right are inverted.

[Whole] radio buttons: Select whether or not you want to add a margin space to the leading and trailing edge of the paper.

---

**NOTE**

If you turn the [Whole] setting "On", the length of the printed paper will be increased by the total length of the margin spaces entered for the [Edge Adjustment] settings.

---

[Auto Rotation] radio buttons: Select whether or not you want to have the printed image automatically rotated, as necessary, to fit onto the orientation of the presently set paper.

---

**NOTE**

If you want to use the [Linear Measure Adjustment] settings, turn [Auto Rotate] "OFF".  
[Linear Measure Adjustment] can be set using the Web Manager interface.

---

[Image Placement] radio buttons: Select the basic location of the printed image on the paper. If you select "Origin", the location of the image will be based on its relation to the lower left corner of the paper. If you select "Center" the image will be centered on the paper.

---

**NOTE**

This setting is only applicable to HP-GL, HP-GL/2 and HP-RLT file formats. When printing other file formats, even if you select "Origin", the printed image will be centered on the paper.

---

[Unit] radio buttons: Select the desired unit of measure, either "mm" or "inch".

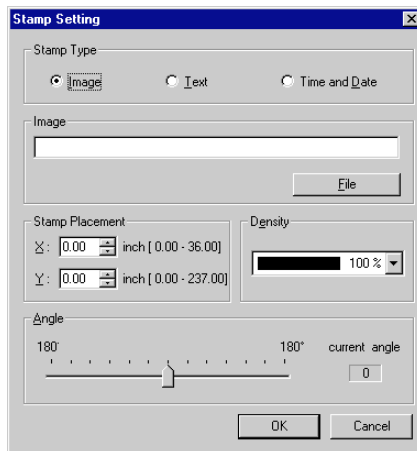
[Installation Option] setting: Be sure to put a check mark in the [Optional Cassette] checkbox when the optional Drawer 1 is installed in the copier-printer. If this box is not marked, you will not be able to select Drawer 1 for printing.

[CGM Filter] setting: Be sure to put a check mark in the [CGM Filter] checkbox when the optional [CGM Filter] is registered. If it is not registered, you will not be able to print the CGM File format.

[DGN Filter] setting: Be sure to put a check mark in the [DGN Filter] checkbox when the optional [DGN Filter] is registered. If it is not registered, you will not be able to print the DGN File format.

### ● [Stamp Setting] Dialog Box

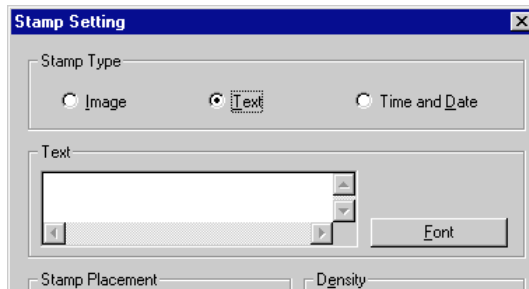
This dialog box opens when you put a check mark in the [Use Stamp Setup] checkbox and then click on the [Stamp Setup...] button in the main window of the Print Utility. It allows you to register images or text (such as "CONFIDENTIAL") to be printed onto each sheet of paper.



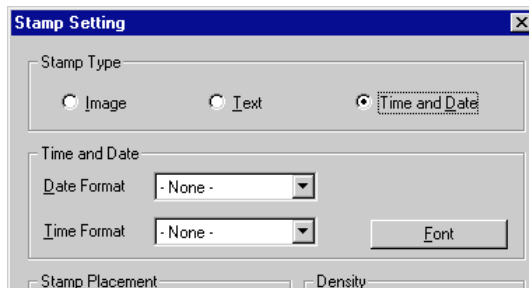
[Stamp Type] radio buttons: Select the type of stamp you want printed out. Selection is possible between "Image", "Text" and "Time and Date".

[Image] field: This field is displayed when you select the [Image] radio button under [Stamp Type]. Click on the [File] button and you can select the image that you want to use as a stamp. File formats that be used as stamps are: BMP, JPEG and TIFF.

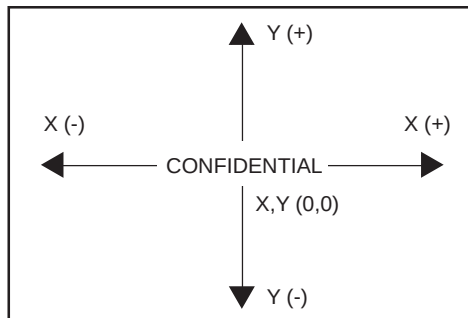
[Text] field: This field is displayed when you select the [Text] radio button under [Stamp Type]. Enter the text that you want to use as a stamp into this field, and then click on the [Font] button to select the styles that you want to use for that text.



[Time and Date] field: This field is displayed when you select the [Time and Date] radio button under [Stamp Type]. Select the date (yy=year, mm=month and dd=day) from the drop-down menu of the [Date Format] field and the time (h=hours, m=minutes, s=seconds and tt=AM/PM) from the drop-down menu of the [Time Format] field, and then click on the [Font] button to select the styles that you want to use for that information.



[StampPlacement] settings: Determine the location of the stamp on the printed paper.



Inch specs

X: -18" – +18"

Y: -118.5" – +118.5"

Metric specs

X: -460 mm – +460 mm

Y: -3000 mm – +3000 mm

[Density] field: Selects the contrast at which the stamp will be printed.

[Angle] slider: Selects the angle at which the stamp will be printed.

# ***Part 5***

## **Printing from AutoCAD (Other Printing Methods)**

|           |                                                            |      |
|-----------|------------------------------------------------------------|------|
| Section 1 | Printing from AutoCAD .....                                | 5-2  |
| 1-1       | Printing from AutoCAD (Release 14) .....                   | 5-2  |
| 1-2       | Installing the Printer Driver for AutoCAD 2000i/2000 ..... | 5-6  |
| Section 2 | Setting and Procedure for Automatic Printing via FTP ..... | 5-10 |

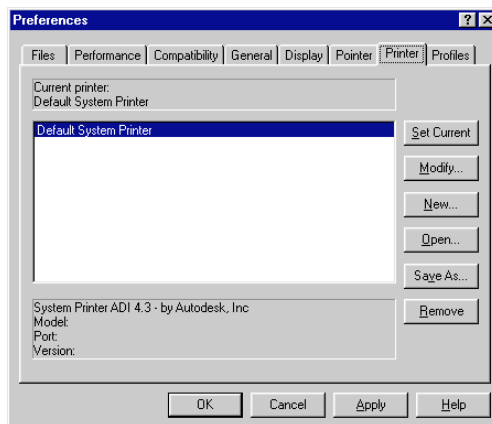
## 1-1 Printing from AutoCAD (Release 14)

The following uses the AutoCAD (Release 14) CAD (Computer-Aided Design) application from Autodesk, Ltd. of the United States as an example in explaining the procedure for performing print settings.

### Print Settings in AutoCAD

Perform the following procedure to make print settings in AutoCAD.

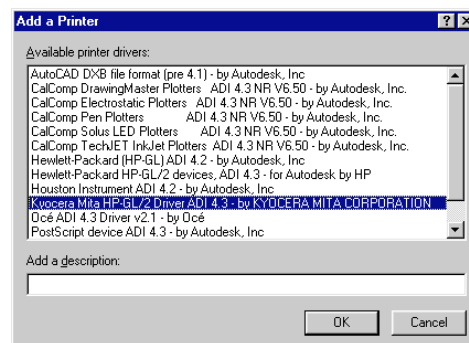
- 1 Copy the [plkm43.dll] driver file that is on the accessory CD-ROM into the [Drv] folder of your AutoCAD application.
  - The AutoCAD [Drv] folder is normally located under: C:\ProgramFiles\AutoCAD R14\Drv
  - The [plkm43.dll] driver file can be found under: D:\Drivers\English\Wide\AutoCAD\R14\plkm43.dll ("D" = Your CD-ROM drive)
- 2 Run AutoCAD and select [Print] in the [File] menu of that application. Then click on the [New...] button in the resulting dialog box (shown below).



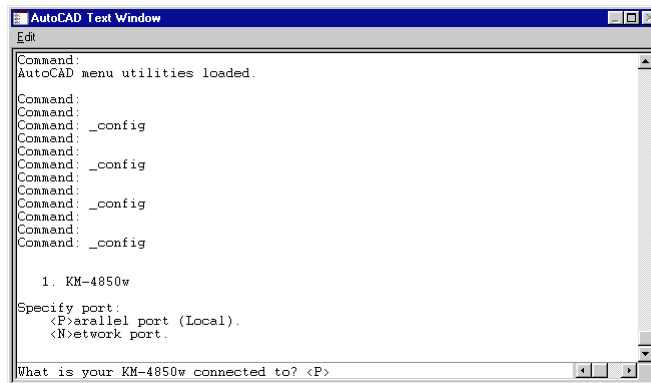
- 3 A list of printer drivers for printers and plotters that AutoCAD supports will be displayed. Select from this list, for example [Kyocera Mita HP-GL/2 Driver ADI 4.3], and then click on [OK].

## NOTE

If the appropriate printer driver is not displayed, make sure that "DRV" is designated in the search path for the driver files.

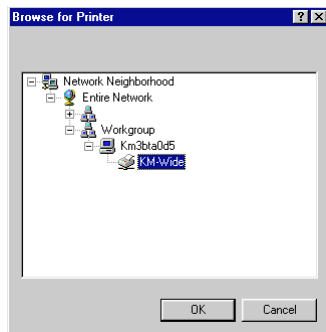


- 4 A text-based window like that shown below will open.

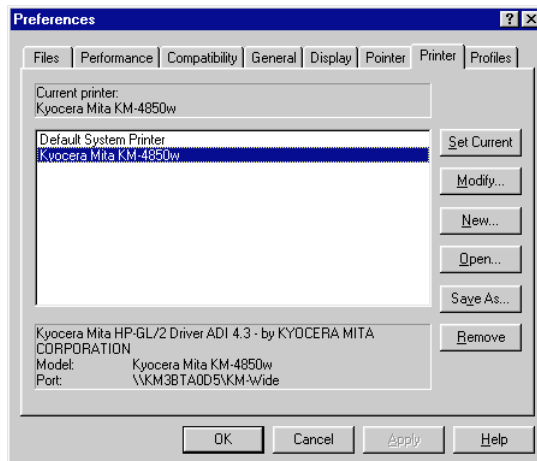


- 5 Select "<N> network port" as the response to the last question "What is your KM-4850w connected to?"

The [Browse for Printer] dialog box will open. Select "KM-Wide" in that dialog box. Click on [OK].



- 6 Select "N=No" as the response to the question "Do you want to change anything?"
- 7 Once the plotter settings are complete, the screen will return to the [Preferences] dialog box. Click on the [Set Current] button in order to set the added plotter as the default plotter.



## 1-2 Installing the Printer Driver for AutoCAD 2000i/2000

The following uses the AutoCAD 2000i CAD (Computer-Aided Design) application from Autodesk, Ltd. of the United States as an example in explaining the procedure for installing the printer driver.

Printer drivers for both AutoCAD 2000i and AutoCAD 2000 are included with the CAD Master Controller. Perform the following procedure to install the printer driver for AutoCAD 2000.

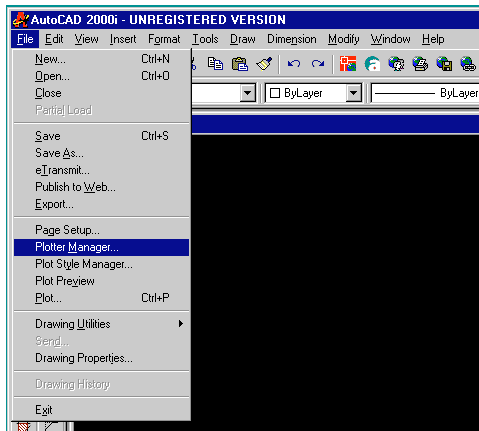
### IMPORTANT

Be sure to install the printer driver for your Windows environment BEFORE installing the printer driver for AutoCAD.

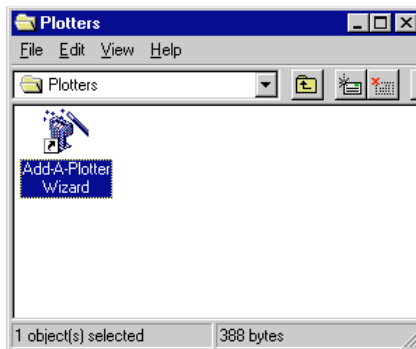
### ● Installation Procedure

Perform the following procedure to install the printer driver.

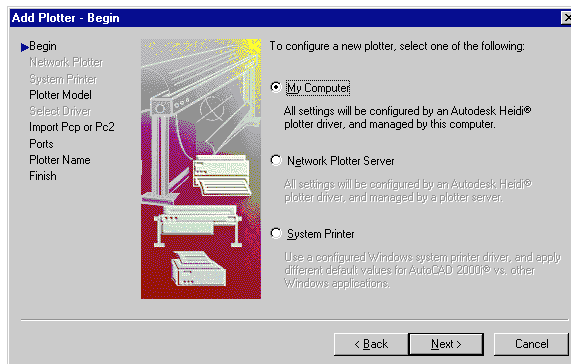
- 1 Select [Plotter Manager] in the [File] menu. The [Plotters] folder will open.



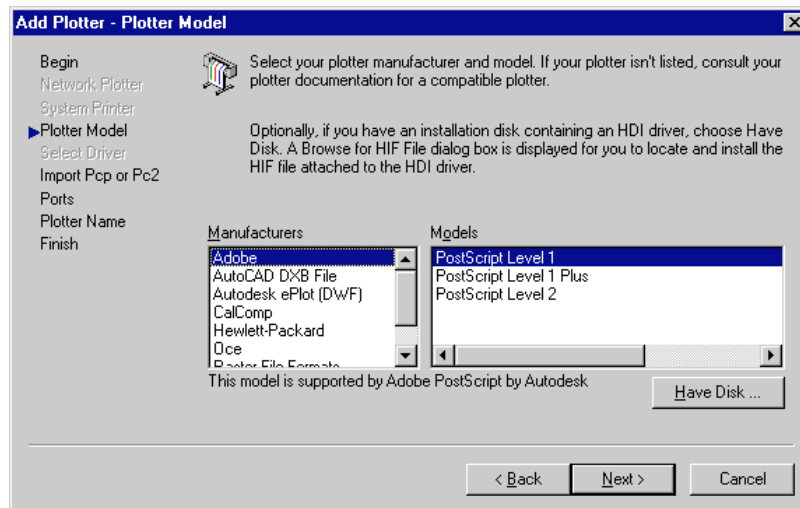
- 2 Double-click on the [Add-A-Plotter Wizard] icon in that folder. The [Add Plotter Introduction Page] window will open. Click on [Next] in that window.



- 3 Select [My Computer] and then click on [Next].

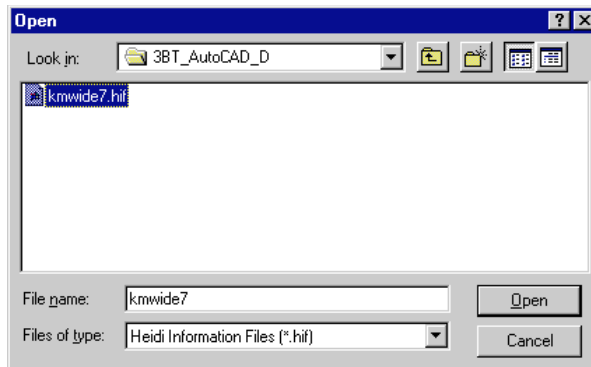


- 4 It is necessary to select the printer driver that you want to install. Thus, if the accessory CD-ROM is not in the CD-ROM drive, insert it now and click on [Have Disk...].



- 5 Select the [Heidi Information] file on the CD-ROM.
  - The printer driver for AutoCAD 2000i can be found under:  
D:\Drivers\English\Wide\AutoCAD\2000i\kmwide7.hif
  - The printer driver for AutoCAD 2000 can be found under:  
D:\Drivers\English\Wide\AutoCAD\2000\kmwide6.hif

("D" = Your CD-ROM drive)



- 6 Click on [Open], select the copier with the CAD Master Controller installed in the resulting dialog box and then click on [Next]. Continue the installation procedure by following each of the steps described on-screen.

## NOTES

- Do NOT select the [Calibrate Plotter] setting under the [Finish] screen during the installation procedure.
- During printing, a warning message for the system print spool may be displayed. This does not indicate any problem with printing and, in order to turn this warning OFF, select [Options...] under the [Tools] menu, and then, in the resulting window, select the [Never alert] setting under [System printer spool alert] in the [Plotting] Tab.

## Section 2 Setting and Procedure for Automatic Printing via FTP Page 5-10

The following procedure uses the [Auto Print] setting for an HP-GL/2 filter compatible HP-GL/2 file as an example in explaining how to print that file via FTP with the following print conditions:

### NOTE

Compatible file formats

HP-GL, HP-GL2, HP-RTL, Calcomp906/PCI, Calcomp907/PCI, CALS\_G4 (TIFF6.0), DXF (AutoCAD standard, some settings restricted), TIFF, JPEG, BMP, DGN (option) and CGM (option)

- The paper size is A2 and Auto Paper Feed is selected.
  - The Transmission Directory name is "/Auto/HPGL2".
- 1 In order to set the conditions noted above, access the [Filter] screen in the Web Manager interface and perform the settings therein.

**Filter 17 Configuration**

**Basic Setup**

Filter No. : 017

File Format : HP-GL,HP-GL2

Extension : .plt

Transmission Directory : /Auto/HPGL2

Comment :

**Printing Setup**

Original Size : A2 ( 420 x 594 ) mm

Scaling : 100 % [ 25 - 400 ]

Cassette : Auto Source Selection

Copies : 1 [ 1 - 999 ]

☒ Customize Pen Setting

Pen Setup... Extended Setup...

Enter

Cancel

Delete

Defaults

Help

- 2 Once those settings are complete, click on the [Enter] button in that screen to save those settings.
- 3 The following illustrates print out of an HP-GL/2 file named "sample.plt" from a UNIX Workstation and setting of the IP address for the copier-printer to "10.3.3.16" using "Administrator" as the login name.

**#ftp 10.3.3.16**

Connected to 10.3.3.16.

220 KM4850W Microsoft FTP Service (Version 3.0).

User (10.3.3.16:(none)): Administrator

331 Password required for Administrator.

Password:

230 User Administrator logged in.

**Once you are logged in successfully, change the current directory to the Transmission Directory of "/Auto/HPGL2".**

ftp> **cd Auto/HPGL2**

250 CWD command successful.

**Be sure to set the Transmission Mode to binary.**

ftp> **bin**

200 Type set to I.

**Transmit the HP-GL/2 data file.**

```
ftp> put sample.plt
```

```
200 PORT command successful.
```

```
150 Opening BINARY mode data connection for sample.plt.
```

```
226 Transfer complete.
```

```
ftp: 175 bytes sent in 0.00Seconds 175000.00Kbytes/sec.
```

**Once file transfer is complete, end the FTP session with a "quit" command.**

```
ftp> quit
```

- 4 A short time after the file has been transmitted using FTP, the uploaded file will be displayed in the [Waiting] job list under the Web Manager's [Spooling] screen.
- 5 If printing is accomplished correctly, the procedure is complete. In the case that, for example, printing ends without anything actually being printed out, check the content of the error that will be listed under the [AutoPrint Log] in the [Log] screen and try to print again.